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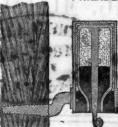
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AMERICAN RAILROAD JOURNAL.

STEAM NAVIGATION, COMMERCE, FINANCE,

ENGINEERING, BANKING, MINING, MANUFACTURES.

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[WHOLE No. 1,730, VOL. XLII.

MR. FREDERICK ALGAR, No. 11 Clements lane, Lombard Street, London, England, is the authorized European Agent for the Journal.

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American Railroad Journal.

New York Saturday, June 12, 1869.

New York Manufactures.

OUR MACHINE-SHOPS.

A recent visit to the establishment of WILLIAM D. Andrews & Brother, No. 414 Water street, put us in possession of the following facts in relation to their manufactures. Their works were established in 1858, and are devoted exclusively to the manufacture of original patented inventions and the tools used in their construction.

Among their successful inventions are the fol-

ANDREWS' PATENT CENTRIFUGAL PUMP.

This Pump, by means of wings upon a Conical Revolving Disc, communicates Centrifugal Motion to the water, which is carried through an easy curved passage to the discharge pipe. There being no angles in the passages, no rubbing surfaces in the pumps, and the flow of water being continuous in one direction, they require but very little power to run them, and possess durability far beyond any pumps we have seen. They are especially adapted to irrigating and draining lands, wrecking, freeing coffer dams, dry docks, &c., as they can pass large quantities of sand, gravel, &c., without injury or derangement. These

use in every quarter of the globe. Fourteen sizes are made, of capacities ranging from 90 gals. to 40,000 gals. per minute.

ANDREWS' PATENT OSCILLATING ENGINE. This engine effectually overcomes the objections to the usual forms, caused by the difficulty of rendering the trunnions steam-tight, and the tendency of the piston to wear the cylinder oval. The piston has no elastic packing, and its rod passing through glands in both cylinder-heads keeps it out of rubbing contact with the cylinder, so that after five years' use the tool-marks are not

The trunnions, which are solid, revolve in trunnion-boxes, and are capable of adjustment by set-screws, when required. This firm also make double engines, which having the cylinders set at right angles, are without dead-points, and which can be instantaneously reversed by a simple valve turning the steam into the exhaust pipe, and the exhaust into the steam pipe. The cranks are all bent, so as to leave the fibre of the metal continuous, thus preserving the strength of the shaft, Nearly a thousand engines have been built by this firm within nine years, and they have become well-known and very popular. The cylinders made for these engines are also used as vacuumpumps.

ANDREWS' PATENT SMOKE BURNING TUBULAR BOILER.

In this boiler the fire place extends over the entire horizontal area, with the exception of the water.legs, which entirely surround it. The tubes extend the entire length of the boiler in two series; the first being in the water space below. and the return series in the steam space above, the heated gases passing from the fire-place into a breeching in which they are mingled with oxygen admitted from the atmosphere, creating a thorough combustion of the gases, and preventing all smoke; from the breeching the highly heated gases pass in a bright flame through the lower series of tubes in the water space, (extending through the entire length of the boiler,) are received into a second breeching and returned by the second series of tubes in the steam space, again through the boiler, and escape by the smoke pipe at the rear. By this arrangement a

pumps have a world-wide reputation and are in large per centage of fuel is saved, the nuisance of smoke avoided, and the steam super-heated to the proper degree for economical use in the engine, while the boiler occupies much less room than the ordinary tubular varieties having the same power. ANDREWS' PATENT DIFFERENTIAL FRICTION HOIST.

ERS.
These machines are made portable or stationary

as required, and are peculiarly valuable in establishments where variable weights are to be raised, as they may be instantaneously changed to run at different velocities without stopping. The drumshaft, carrying two or more large grooved wheels of different diameters, revolves in bearings in eccentrics at each end, by turning which, either wheel is instantly thrown in or out of gear with one of the smaller grooved wheels or pinions upon the Engine Shaft, each of which gives a different velocity to the drum.

A weight can be raised, lowered or held stationary, even without the use of a brake, (with which each is provided,) by merely changing a lever back and forth, the engine being in continuous motion, and all is accomplished entirely without noise.

These hoisters are made capable of lifting from 1,000 to 25,000 pounds each, and, as arranged with the oscillating engines, are very light and strong, and occupy less room than any other style of the same capacity.

The machines built by this firm have a standard reputation, and it is claimed that for simplicity of design, economy of working, compactness and excellence of workmanship, they are each unequalled for their several purposes.

About one hundred men are employed, and are capable of producing one engine per day, and the other machines in like proportion.

Commerce and Navigation.

From the monthly report of the Bureau of Statistics, just issued, it appears that the imports into the United States during the quarter ending December 31, 1868, amounted to \$82,969,913; and the total imports for the year 1868, to \$381,-336,657. During the same periods the exports amounted to \$11,111,840 and \$341,847,528; and the re-exports to \$4,225,261 and \$20,835,802, re-

The proportion of the foregoing carried by

American and foreign vessels, during the three months ending Dec. 81, 1868, was as follows:

American. Foreign Imports\$24,968,657 258.056.756 70,194,831 Exports..... 40,917,009 2,227,111 1,954,350 Re-exports

It will thus be seen that over 57 per cent. of our imports, 411/2 per cent. of our domestic exports, and 90 per cent. of our re-exports for the period mentioned have been transported in for-

The total value of domestic commodities remaining in warehouse Dec. 31, 1868, was \$39,722,-

The number and tonnage of American and foreign vessels entered into and cleared from the United States in the foreign trade during the years 1867 and 1868, was as follows:

Entered-

-American Vessels.- Foreign Vessels.-No. Tons. 1867.... 9,795 4,023,493 Tons. No. 15,956 4,115,575 1868....10,094 3,387,898 17,875 4,812,457 Cleared--American Vessels. Foreign Vessels.-

No.9,723 Tons. Tons. No. 4,218,464 16,420 4,369,689 1868.....9,858 3,412,209 18,143 5,007,521

Tonnage of vessels engaged in the coastwise

	Entered.	Cleared.
1867	24,013,114	23,365,296
	25,937,259	25,108,375

Pacific Railroad of Missouri.

The earnings of this road for the fiscal years ending February 29, 1868, and February 28, 1869, were as follows: 1969

	1868.		1809.	
From passengers	1,264,398	01	\$1,302,357	81
" freight		59	1,676,469	16
" express	109,483	79	62,715	32
" mails	45,049	92	45,049	92
on the first terms	3,003,681	31	\$3,086,591	71
Expenses, viz:				
Repairs of road bed	\$60,033	36	\$37,525	96
" track	550,656	47	586,463	56
" bridges	34,605	91	29,511	49
structures.	66,480	10	30,189	43
" engines	146,521	39	132,580	22
" cars	181,455	52	146,716	55
tools, etc		25	7,588	25
Fuel consumed	236,492	54	104,272	63
Oil and wasie	32,260	75	32,798	26
Gen'l superintendence		86	27,285	39
Agents and clerks		33	107,458	74
Train hands	239,517	37	252,856	66
Port's, flagmen, watch-			and the second	
men & switchmen.	92,041	62	86,736	35
Handling freight	87,376		69,380	70
Loss and damage			41,634	85
Office expenses, sta-			y said said an	
tionery, print'g, etc.		20	34,268	39
Telegraphing				
Taxes on passenger			cult to save a	
receipts		41	30,417	64
Expenses for trains		67		
All other expenses		95		
The second second second second				_

\$2,030,626 38 \$1,959,653 17

Compared with the previous year, the gross earnings of 1868-'69 show an increase of \$82,910 40, with a decrease in expenses of \$70,973 21making the increase in net earnings \$153,883 61. The operating expenses in 1868-'69 were 63.49 per cent. of gross earnings; in 1867-'68 they were 67.60; in 1866-'67, 73,10.

The gross earnings of the Missouri River Rail- chase of Missouri bonds, has been reduced \$334. road, between State Line and Leavenworth, 26 miles, for the year ending Feb. 28, 1869 were: from passengers, \$46,999 70; freight, \$24,200 32; mails, \$2,599 92-total, \$73,799 94.

The gross earnings of the Osage Valley and Southern Kansas Railroad, between Tipton and Boonville, for the four months ending Feb. 28. 1869 were: from passengers, \$5,283 72; freight, \$2,295 71—total, \$7,579 43. The president in his report says:

In accordance with the provisions of an act of the General Assembly of the State of Missouri, authorizing the purchase by the Pacific Railroad Company of the claim of the State upon the road to five millions of dollars in State bonds, that amount of bonds has been paid to the State, and a deed dated October 10th, 1868, conveying to the Pacific Railroad Company all claims, title and in-terest which the State of Missouri had upon said railroad, has been executed by the Governor, and delivered to the railroad.

To provide for this purchase from the State of Missouri, and take up the Dresden bonds as they mature, the company has issued seven millions of dollars in first mortgage gold bonds, payable twenty years from August 1st, 1868, with coupons payable semi-annually, in gold, at six per cent. annum, free from internal revenue tax.

Only \$3,599,000 of the seven millions have been disposed of, and the members of the Finance Committee, to whom these negotiations were intrusted, are still liable, including interest, for some \$1,230,000, borrowed by them to purchase Missouri State bonds.

If from the \$3,441,000 in first mortgage bonds now unsold, \$500,000 should be held to provide for that amount of Dresden bonds maturing April 1st, 1870, and the remaining \$2,941,000 sold at the rates heretofore obtained, a sufficient sum would be realized to pay the liabilities incurred by the Finance Committee, also the entire present floating debt of the company, and, except that a change of gauge has become necessary, from the requirement of business as well as the provision of the law under which the purchase of the State claim was made, the company would within two months, probably, be relieved from all liabilities except the funded debt of \$7,879,000.

In preparation for the change of gauge contracts have been made for the construction of 46 locomotives, 350 cars, 100 sets of trucks, and 1,500 tons of rails, to cost in the aggregate \$1,-090,000, to which must be added the expense of changing the present rolling stock, and removing the rail, amounting to \$130,000, requiring a total expenditure of \$1,220,000, for which some provision must soon be made. Of the same, \$320,000 can be realized from the unsold real estate bonds, and probably \$300,000 from the earnings of the road; but it will be necessary to provide \$600,000 from some other source. From the improved financial condition of the company a more economical operation of the road has become prac-ticable, but there should, if possible, be no floating debt; and if this \$600,000 can be funded by the close of the current fiscal year, (with the same prosperity as that of the past,) the railroad will be entirely finished, fully equipped, and earning \$1,100,000 net per annum, with no very material liability, except a funded debt of \$8,800,000.

Notwithstanding the reduction in rates for

transportation of both freights and passengers the earnings have increased \$82,910 40; while the expenses are reduced \$70,973 21, making a the expenses are reduced \$70,973 21, making a net increase of \$153,883 61; the total earnings for the year being \$3,086,591 71; the operating expenses, \$1,959,653 17, and the net earnings, \$1,126,938 54; the road having been operated at an expense of 63,49 per cent, of the gross earnings. Besides the amount of \$257,527 83 expended.

upon account of construction, and the expenditures for interest and purchasing the State claim, the floating debt other than that incurred for pur-

The Osage Valley and Southern Kansas Rail. oad, extending from Tipton to Boonville, twenty. five miles, was opened for business in November last, and is now operated by this railroad under a lease for the term of thirty years; that company to receive thirty-five per cent. of the gross earn ings upon said road.

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Surveys and estimates have been made for a railroad from Pleasant Hill to Fort Scott, and new connecting lines will soon be opened from Sedalia to Lexington, and between Leavenworth and

As another competing road to Kansas City is now in operation, and several different lines being constructed which will compete for the business from the Southwest, now controlled by this railroad, it becomes very important that the affairs of this company should be conducted with great energy and enterprise, and every effort made to extend its connections, and to develop and command the business which may otherwise be diverted by rival lines.

It is most especially desirable that roads from our line to Fort Scott, and between Pleasant Hill and Lawrence, or Topeka, should at an early day be either constructed or operated under the control of this railroad.

The road bed, superstructure, rolling stock and property of the company, as well as its business and prospects, are now believed to be in a better and more prosperous condition than at any pre-vious period; and if its Directory shall be enabled to offer favorable terms for leasing the branch roads, now about to be constructed, and extend its connections in Kansas, and with the Kansas Pacific Railroad, it will soon become one of the most important enterprises in the country, rendering it a source of profit to the stockholders, and adding largely to the wealth and prosperity of our city and State.

The company have 20 passenger and 32 freight locomotives; 48 passenger, 6 mail, 20 baggage and express, 185 stock, 268 box, 216 flat, 29 caboose, 1 paymaster's, 2 magazine and 4 tool and wrecking cars. The Sleeping Car Co. have on the road 4 sleeping coaches; and the St. Louis and Pacific Express Freight Line, 60 box cars.

Number of miles run, passenger trains, 581,385; freight and switching, 874,385; gravel and wood, 138,765-total, 1,594,535, at a cost for fuel, oil and waste, engine and firemen, labor and materials for repairs, of \$447,771 76. Miles run to cord of wood, 35.4; to ton of coal, 30.6; to pint of oil, 16. Cost per mile run with wood for fuel, 12.51; with coal, 10.26-average, 11.59. Total cost per mile run, 28.39.

The receipts from all sources, and expenditures during the year ending February 28, 1869, were: Balance March 1, 1868..... \$147,297 33 Received for county bonds and war-30,670 82 Received for land note 230 43 2,993 52 Received for sale of town lots. Received for transp...\$3,023,988 58 Less exp. and repairs. 1,959,653 17 1,064,335 41 Received for Real Estate Security 30,000 00 bonds sold Received for Pacific Railroad bonds sold\$3,544,000 00 ess discount & commissions 154,770 03 3,389,229 97 Discount on Missouri bonds received 334,186 63 109,926 92 Bills payable-received for notes 801,274 21

AMERICAN RAILROAD JOURNAL

•		1 32
Paid for construction	\$170,245	791
Bolling stock and machinery	64,585	81
Construction Missouri River R. R	8,644	
Construction Boonville Branch Experimental survey from Holden	11,510	95
and Pleasant Hill to Fort Scott	2,540	55
Office expenses and stationery	28,201	
Interest account	369,047	-
Accounts audited	28,218	
Contingencies	60,252	
State of Missouri	5,000,000 20,000	
Balance as per general statement.	451,898	
Total, as above	6,210,145	24
The balance, (\$451,898 53) is acc	ounted for	28
follows:		
Due by Southwest Branch	\$65,215	44
Cancelled debts	. 205,680	
Suspended debts		
Cash in hands of fund commissioner Materials in hands of Superintenden		
" Master Mechani		
Bills receivable	. 3,000	
Pacific Railroad stock		00
Due by railroad and express compa		40
nies	. 15,296	40
	\$459,488	41
Less due Missouri River Railroad an	d .	
Boonville Branch	. 7,589	88
Wester)	0451 000	50
Total		
The General Financial Statement		m-
pany up to March 1, 1869, is as follo		
Capital stock	\$ 3,645,186	
Land Grant sales and rents Total receipts for transportation	219,540	
Mortgage Construction bonds		
St. Louis County bonds	700,000	
Real Estate Security bonds	179,000	
Pacific Railroad bonds State claim purchase—difference be-		00
tween State claim and amount		
paid	2,000,000	00
Clark, Dodge & Co., for advances		
on account State claim purchase.		
Bills payable	133,507	69
	100,001	00
	30,449,564	
Construction	11,646,887	84
Rolling stock and machinery		
Missouri River Railroad	19,546	
Experimental survey	11,510 2,540	
General expenses	2,648,851	
Interest, discount and commissions	557,786	36
Land Grant expenses	7,214	78
Interest on State bonds charged to transportation to Jan. 1, 1859	1,222,721	5.4
Total transportation expenses	11,620,364	
Balance March 1, 1869	451,898	
And the state of t		
	30,449,564	1 17
President JAS. H. LUCAS.		
Vice President,-DANIEL R. GARE		
Directors.—Hudson E. Bridge, T	B. Edga	r, D
R. Garrison, Jas. Harrison, Oliver Lackland, Jas. H. Lucas, H. L. P.	A. Hart, I	has
II D	avecious, C	ALCOHO!

H. Peck, Geo. H. Rea, E. O. Stanard, Benj, Stick-ney, George R. Taylor.

Secretary and Treasurer .- J. C. PORTER. Chief Engineer and Sup't .- H. C. MOORE.

The Kansas City, Fort Scott and Gulf Railroad has been opened to Paoli, Kansas. It is expected the road will be completed to Fort Scott by the middle of August.

The Cincinnati City Council have voted unanimously to make Chattanooga the terminus of the proposed Southern Railroad; a popular vote is to be taken in the city on the 26th inst.

The first Locomotive, the "Sandusky," was urned out at these Works, at Paterson, New Jerey, in June, 1827, (then under the firm of Rogers, Ketchum and Grosvenor,) after sixteen months of abor. In this engine was first introduced severl improvements, among which we may mention the cone in the smoke-pipe, which was curled over at its base, the cone being perforated with small holes in order to distribute the force of the plast equally over the surface of the wire bonnet. The driving-wheels, which were of cast iron with wrought iron tyres, were cast with hollow spokes, rim and hub, except the spokes opposite to the crank, which were cast solid in order to counterbalance the cranks. The engine was also pro-vided with double eccentrics and hooks on the outside of the frame, and altogether was a very neat and tastefully finished locomotive. Mr. Rogers was the first to use expansion braces; he was also among the first, if not the first, to build was also among the first, if not the first, to build ten-wheel engines; and also to appreciate and adopt the link motion at a time when it was pro-nounced by many to be a humbug. It has al-ways been a special feature in the Rogers engines, to give ample boiler, with large steam room, and they have always been noted for their

durability and economy of fuel. In 1856, at the death of Mr. Rogers, these Works had turned out about 800 engines, when the Works passed into the hands of an incorpora-ted company under its present name, and W. S. Hudson, Esq., was chosen Superintendent, and under whose management the Works continue at the present time. The Works have been enlarged, and other extensive additions are still in proto keep pace with the demand for engines. gress to keep pace with the demand for engines. Mr. Hudson has introduced many valuable im-provements in locomotives, among which we may mention the application of cross equalizing lev-ers to four and six wheel engines, so as to make them equivalent in action to a "three-legged stool" or tripod; also a system of equalizing levers be-tween driving and truck wheels, which has been successfully applied to engines with six drivers and one pair of truck wheels, also to engines with four driving wheels, and a single radiating truck at each end, for which Mr. Hudson has procured a patent. Several of these engines have been built, and are in successful operation. We wish to call especial attention to this engine, as filling all the requirements of an engine which will run equally well either end first. We will quote what Mr. Hudson says about it:—"The locomotive is on eight wheels, four driving and four truck wheels. The truck wheels are arranged in two radiating trucks, one at each end of the locomo-tive; each truck is connected by a combination of levers with each pair of driving wheels. The front truck and driving wheels are equivalent in action to a centre-bearing truck, and the rear truck and driving wheels to a side-bearing truck With this arrangement all the wheels accommodate themselves to the vertical inequalities of the track, without changing the distribution of the weight, and without interfering with the radiating of the front and rear truck wheels of the engine The fixed wheel base may be made very short, so that the engine will pass readily and easily around curves of very small radius without that jumping motion which is inseparable from the ordinary four wheel switching engine, and without danger of getting off the track. The wear of the driv-ing wheel flanges will also be much lessened, and the danger of running off on that account will be very much diminished. For these reasons, the engine is especially adapted to switching, construction and branch traffic, running, as it does, equally well either end first. The locomotive is very easy on the track, the dirtribution of the weight and the accommodation to all inequalities of the rail, whether vertical or lateral, being per-

Mr. Buckhout, in his report on the New York City Central Underground Railway, recommends the adoption of this style of engine, with some Pompton and Bloomingdale this year.

modifications as to condensing the steam, &c., as being better calculated to supply the want for motive power, than any of the plans which had been brought to his notice, and in his report, been brought to his notice, and in his report, pages 19 and 20, describes the general design, and comments as follows:—"Gauge, 4 feet, 8½ in. Fuel, anthracite coal or coke. Cylinder, 14 by 22 in., four 56 in. driving wheels, steel tyres, all flanged. Two single axle radiating trucks, one at each end, wheels 30 in. diameter. Furnace of steel; 126 two-inch flues, 10 feet 5 in. long. Tank on each side of engine to contain 1500 gallons. The engine also to be supplied with a blower or steam jet. The engine to be so arranged as to steam jet. The engine to be so arranged as to throw the exhaust steam into the tanks so as to condense it, or throw it up the chimney for the purpose of blast for raising steam, and so that the engineer can make the change instantly as required. This engine will take 80 tons in addition to its own weight, (68,000 pounds in running order,) with 1500 gallons of water in the tank, and 600 pounds of coal, up grades of 1 in 39, or 38 feet per mile, with a pressure of steam as low as 80 pounds per inch, (if the steam should get so low,) cutting off at 60 per cent. admission, it being intended to carry a maximum of 130 pounds per inch. About 1400 gallons of water will be required for the condensation of the steam for the distance of two miles, consequently it would require changing every four miles, if the steam were condensed for half that distance. The tanks to have a discharge valve, by which the water can be let out quickly, when it requires changing. The fixed wheel base to be 6 feet 9 in., and the whole base including the radiating trucks at each end, to be about 21 feet 9 in. With this arrangement the truck wheels will not require to radiate over 31 inches from a straight line, on curves of 200 feet radius, which is much within the limits of its capability. With equalizing levers, as applied to this description of engine by Mr Hudson, two thirds or more of the weight can be carried on the drivers, and the arrangement is such as to accommodate itself to all the vertical and lateral undulations of the track without varying the dis-tribution of the weight on the wheels; it is also arranged so as to be equivalent in action to a four wheel centre bearing truck at one end, and to a four wheel side bearing truck at the other end. In addition to these properties the engine can be run either end foremost with great facility and equal safety: a feature not embraced in any four driving wheel single truck engine. It has therefore special advantages in saving the time usually occupied in turning an engine around so as to run truck foremost. It has another advantage. The trucks do not deviate from the centre line of engine nearly as much as a four driving and four wheel swing truck engine does on the same curve, be ing some 50 per cent, in favor of the double

The Rogers Locomotive Works are adding facilities to enable them to turn out fifteen to twenty locomotives per month; they are now produc-ing 10 or, 12 locomotives per month. They have furnished a large number for the Union and Central Pacific roads, and are still building for those lines. Two of their engines, the "Success, No. 156," and the "Excelsior, No. 157," were built for the Central Pacific, to make the first through trip from the Atlantic to the Pacific shores, and their whistles have already been heard sounding through the Sierra Nevada mountains, These Works have also furnished many for South America, to climb over the Andes mountains, over grades of 264 feet per mile. The good working qualities of the Rogers engines are well understood and conveniently by the state of the Rogers. understood and appreciated by the engineers, with whom they are great favorites; they are tasteful to none others. These Works to none others. These Works are using steel largely in their engines, both for tyres, axles, boilers, slides, crank pins, and for many other parts.—Am. R. W. Times.

The New Jersey Western Railroad, now constructing, will be running from Paterson to Vicksburg and Meridian Railroad.

The earnings of this road for the fiscal years ending February 29, 1868, and February 28, 1869, were as follows;

	186	88.	1869.	VLH A
From	passengers \$164,5	00 77	\$147,555	32
66	freight 272,2	78 70	194,199	55
46	mails 10,73	38 12	12,633	73
44	incidentals 25,87	76 16	36,014	67

\$488	5,407 U	2	390,403	27
The expenses in 1868-'69	, were	:		
Conducting transportat'n	54,078	83		
Motive power	60,687	54		
Maintenance of way	91,420	80		
cars	12,532	47		
Contingent expenses				
General salaries	12,160	44		
Marie Marie and an in the land	-		232,130	38

Net earnings \$158,272 89

Compared with the previous year the gross earnings show a decrease of \$98,403 75, with a decrease in operating expenses of \$133,909 55making the increase in net earnings, \$35,505 80. The expenses were 591/2 per cent. of gross earnings. In reference to the funded debt of the company the report says:

In the readjustment of the debt of the company early in 1866, it was found necessary to increase the mortgage debt to three millions, two millions having been the previous limit. Consequently a new mortgage for that amount was created, and the original mortgage debt was merged into it— together with the boncs given for arrears of inter-est, which had accrued between 1861 and 1867, and also all the debts of the company then out standing having no mortgage security, so far as the holders were willing thus to convert them.

The intention being to consolidate all the debts of the company under one general mortgage, and to issue bonds under the cover of that mortgage, payable in 1890, bearing seven per cent, interest—preserving unimpared the pre-existing liens and priorities of the old bonds, for which they were substituted. With that view four classes of bonds, secured by the three million mortgage, have been issued.

The grade, and security, belonging to each class, is distinguished and expressed by the superscription or endorsement, placed on the back the new mortgage bonds, and further by the color of the ink, in which the endorsements are printed.

the first mortgage bonds are en-For instance dorsed in red ink, giving the name of the Trustees and the date of the original mortgage, indicating the security which belongs to that description of bond, and constitute the first class.

Those of the second mortgage are endorsed in blue ink, with like reference to date and Trustees appertaining to the original second mortgage, and they are the second class.

Those of the third mortgage, in like manner. are distinguished, and they are endorsed in black ink, and are the third class,

The fourth mortgage are the bonds given for arrears of interest and for common debts, then outstanding, and they have no endorsement, and are the fourth class, under the three million mort-

The services of the Pennsylvania Co. for the Insurance of Lives, &c., 304 Walnut street, Phila-delphia, were engaged by the Trustees of the three million mortgage to make the necessary settlements, and to take up all the old bonds and debts of the company, with the seven per cert. bonds secured under that mortgage placed in their possession for that purpose, and also to safely keep all the bonds and other evidences of debt against the company, together with the collaterals taken up by such conversions and settlements. Up to the last report from that company, the following amount of new seven per cent. bonds have been paid out—including a portion paid out—following amount of new seven per cent. bonds have been paid out—including a portion paid out—following amount of new seven per cent. bonds business that will be crowded on it—the road will be more than the college of the college

for conversions and settlements, made with the Southern creditors by this company:

First class, red endorsed bonds	\$520,500
Second class, blue endorsed bonds	668,000
Third class, black endorsed bonds	106,000
Fourth class, unendorsed	623,900

\$1,918,400

The floating debt of the company at the close of the past fiscal year was as follows

	The second secon	
ì	Bills payable\$161,465	60
1	Due on back pay rolls 20,784	
ı	Due on open account 16,765	36

\$199,015 15

WESTERN CONNECTIONS.

The North Louisiana and Texas Railroad formerly known as the Vicksburg, Shreveport and Texas Railroad was completed in 1861 from Vicksburg to Monroe, La, a distance of 75 miles. It was seriously damaged by the war, has also been much impaired by natural decay, and the road has not been used for several years. The present owners are now earnestly at work repairing it, and it is stated by well informed persons, that it will be placed in running order between the Mississip-pi river and Monroe in time for the fall business of 1869.

The distance from Monroe to Shreveport is also about 75 miles, upon which line but a small amount of work has been done. When built to the latter point it will connect with a railroad in operation between Shreveport and Marshall, in exas, a distance of about 40 miles.

The State of Texas made munificent grants of land as an inducement to the Government and capitalists to build the line through the State, from Marshall to El Paso. Several millions of acres of the most valuable land in the State were donated for that object.

If this road were built from Vicksburg to Shreveport it would be a powerful lever for reinstating the public interest in behalf of the Southern Pacific Railroad, on the line of the 32d Paral-

That will be much the shortest, and least costly route to build between the two oceans, decidedly the cheapest line to maintain and operate, and will be greatly preferred by passengers and shippers on account of its passing through a country blessed with a mild and delightful climate at all seasons of the year. In passing through North Louisiana and Texas, it will develope a region of the most fertile lands in the United States—admirably adapted to the production of cotton, wheat, corn, and affording an unlimited supply of cattle, besides which, it would open the way to the rich mineral regions that abound in Arizona. The line, starting from Savannah or Charleston, would intersect the great Father of Waters at Vicksburg, 673 miles from the former, and about 770 from Charleston, thence through the rich alluvial lands of North Louisiana to Shreveport, distance about 160 miles—thence due West through the most productive and populous portion of Texas to El Passo, about 750 milesand thence to San Diego,

in California, about 670 miles.
In a very able Majority Report submitted to the U. S. Senate on the 19th of February, 1869, by Mr. Stewart, chairman of the Committee on the Pacific Railroad, on the policy of extending Government aid to additional railroads between the Atlantic and Pacific, strong grounds are taken in favor of building two additional trunk lines to the The Committee contend that one line is insufficient—that with the present population and business of California, Utah, Colorado, Nebraska, Oregen, Nevada and Dacota, the single track railroad from Omaha to San Francisco will be wholly incapable of performing the service that will be required of it; that the local traffic will immediately become so large, and the through traffic so immense, that when to both of these is added the trade from China, Japan and India, it is clear that

done under such disadvantages as to damage the character of the new route from India to Europe, discontent shippers, and make wide-spread trouble.

The Committee are sure, that within a year after the Union Pacific is opened, it will be unequal to the traffic that will be crowded upon it. They object, that the gradients and curves of the line at its passage of the Sierra Nevada, presents difficulties of the most serious character, that six locomotives will be required at these points, to do the work of one elsewhere—and a double track cannot be built except at a duplication of the cost

These engineering obstructions will of themselves and alone necessitate other railway connections with the Pacific. No single track road, that crosses the Sierra Nevada, will be able to do the duty required of a trans-continental Railway— 1,100 miles of the line of the Union Pacific have an elevation of 4,000 feet above the sea-and more than 500 miles of it have an elevation of 7,500 feet above the sea. The Report wisely argues, that a single line will be a monopoly, and that with three lines across the continent, there would be a competition that would keep charges at living rates, and fair profits—that the competition would create an effort to make fast time and punctual running and attention would be given to the comfort and safety of passengers, &c

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The report insists that the South is entitled to a line; that the Southern States are in the Union; that they have the same rights that the Middle States or the Northern States have. They have the right of access to the Pacific on their Parallels of latitude--they have a right to their share of the trans continental commerce between Asia and Europe—that Norfolk, Charleston, Savannab, Mobile and New Orleans can justly complain of a Middle State monopoly, which pours all this inter-continental traffic into New York and Philadel-

The Southern States lately engaged in war are ruined, and impoverished. Their peculiar products of sugar, rice, tobacco, &c., are of the utmost value to the nation. It is sound policy to aid the restoration of the annual production of this wealth, which is confined, by the laws of climate, to the South. To the extent that a Southern Pacific Railroad will stimulate the growth of the peculiar Southern agricultural products, the Northern and Middle States have each a large and direct interest in having it constructed, and the prosperity of the foreign commerce of the United States demands that it shall be constructed.

The arguments urged by the Committee apply with equal force in many respects to the lines projected, both on the 32d and 35th Parallel—the first being the Vicksburg, Shreveport and El Passo route, and the second, the Memphis, Little Rock and Albuquerque route. In regard to the survey made by the officers of the United States Government through Texas for the purpose of making the best location of a line of railroad to connect the seaports of the Pacific with those of the Atlantic. The report of Captain, now General, John Pope, of the U.S. Army, then in charge of the survey through Texas to the Rio Grande, says: "This country exhibits the fact, that the vast deserts between the Valley of the Rio Grande and the frontiers of the Western States contract to their least width along the belt of country between the 32d and 34th Parallel of latitude the average distance of six hundred and fifty miles over these vast deserts is here reduced to less than three hundred miles, and along a route where the extremes of heat and cold are absolute ly unknown.

He states that for 311 miles west of the prairies the belt of country along the 33d parallel pre-sents a remarkable combination of all the favorable circumstances for the establishment of a able circumstances for the establishment of a chain of military posts, affording every facility of wood, water, grass—traversing a region of fertile soil and abundant timber, with a mild and genial climate at every season of the year, avoiding more than one-half the desert country between the Rocky Mountains and the Valley of the tween the Rocky Mountains and the Valley of the

\$3,704,934 37

The distance from Vicksburg to San Diego, on the Pacific, on the 32d parallel, is between fifteen and sixteen hundred miles, pronounced to be the shortest line that can be successfully built between the Mississippi and the Pacific—as well as between such prominent seaports as San Diego on the Pacific, and Savannah and Charleston on the -all three of those cities being between the 32d and 33d parallel of latitude.

This line is pronounced by eminent Engineers to be the shortest and cheapest that can be built between the two oceans—and one promising to be far the most attractive, on account of the superior advantages it processes in the superior advantages it possesses in mildness and uniformity of climate, as well as light grades and easy curves. Passengers would feel that there was more certainty and safety in traveling such a was more certainty and safety in traveling such a long distance through a mild and pleasant climate, and over a road of light grades and easy curves, than in crossing the Rocky Mountains, exposed to the intense severity of the winters in that re-gion, and the danger of being blocked up for weeks in the mountain passes by immense accumuiations of snow.

The route on the 32d parallel possesses such decided engineering and climatic advantages as to make it the great reliable and favorite route across the continent, and must become the most important mail route between the two oceans. The travel and tonnage that it would attract will be only limited by the capacity of the road for their accommodation, and the roads east of Vicks-burg, in all directions, would enjoy a portion of the California and Texas business, thus drawn to

In addition to the cogent reasons urged by the able report of the Senate Committee, and Major General John Pope, in favor of a Southern Atlantic and Pacific route, the new position of our national misfortunes, and status, makes the speedy completion of that grand national enterprise still more important.

Nothing would so immediately and effectually conduce to the prosperity and strength of the Union as the building of that road. If it were built to Marshall, in Texas, it would there find a road built to meet it, 240 miles west of Vicks-burg, and from that point it would penetrate and permeate the principal cotton States of the South
—Texas, Louisiana, Mississippi, Alabama, Georgia and South Carolina

No influence would be so potent as the speedy building of the Southern Pacific Railroad for restoring to our common country the blessings of union, amity and strength, and in developing the vast sources of wealth and prosperity that lie within the easy grasp of a re-united and enterprising people.

EASTERN CONNECTIONS.

In February last the Selma, Rome and Dalton road was completed and put in operation from Selma to Rome, 198 miles, making connections at Kingston, on the Western and Atlantic Railroad,

with Atlanta and Chattaneoga.

The schedules were promptly changed on our road, in harmony with the connecting roads, to induce Atlanta and Chattaneoga travel to patronize that route. It is now the shortest line in operation from Vicksburg, or New Orleans, to Washington and the Northern cities via the Tennessee and Virginia roads—as the General Superintendent states in his report in reference to this line-"We cannot immediately expect the pecuniary results to be great as it is a new line, and must become known to the traveling public before we can realize the fruits of a short line, close connections and good accommodations."

But it is an event of great public interest that But it is an event of great public interest that we now have an unbroken line of railroad running through the heart of the State of Mississippi, from the Mississippi River at Vicksburg to all the Atlantic seaports, and to every city and village in the United States approached by a railroad. Montgomery and Selma will also be connected by rail in November next—and that will unite both Montgomery and Selma with Vicksburg in the iron bonds of fraternity and commerce—the we ought to successfully compete for a fair proportion of that class of business; and for the same reasons, for Eastern merchandise freights, forwarded to Vicksburg for transhipment westward by rail, or to points on the Mississippi river as high as Memphis and as low as New Orleans.

The company have 19 locomotives, 8 passenger, baggage, 4 caboose, 70 box, 58 flat and 1 wrecking cars, Number of passengers carried portation Company.

distance from the capital of Alabama, Montgom-ery, to the Commercial Emporium of Mississippi, Vicksburg, will be 292 miles—45 miles further than from Vicksburg to Selma.

As soon as the railroad connections are com pleted between the two Alabama cities, a train of cars will be started from Savannah and run through to Vicksburg, by the shortest line of rail-road yet built between the Mississippi River and any Atlantic seaport, the distance by rail from Vicksburg to Savannah being 673 miles—and to Charleston 774 via Montgomery, Ala.

We have also in prospect another highly im-portant connection with the Chattanooga and Alabama Railroad, formerly known as the N. E. and S. W. Ala. R. R., which, when completed, will ex-tend from Chattanooga to Meridian, 295 miles in length, running diagonally through the State of Alabama, passing through one of the finest mineral regions in the South, as well as a choice agricultural country.

The coal and iron mines that will be developed are said to be unsurpassed in quality, and inexhaustible in quantity—and some of the most valuable mines in the vicinity of Tuscaloosa will be not more than 100 miles distant from Meridian near enough for transportation to Jackson and Vicksburg. The connection of our road with that, at Meridian, will give us a link of 95 miles on the shortest through line in operation, from New Orleans to Washington and New York, via Jackson, Miss., Meridian, Chattanooga and Lynchburg. By that line, from New Orleans to Washinston, it will be 1,197 miles, and to New York 1,425 miles—against 1,276 and 1,504—by the present shortest existing mail route. When the Meridian and Chattanooga route is fairly opened, with such an advantage over other routes in mileage, and with all the facilities and inducements provided for, by which other routes attract travel, there can be no doubt that it will become the great thoroughfare of travel and mail transporta tion between New Orleans and the North Eastern cities, as well as between Texas and those cities A company of Boston capitalists have purchased the line between Chattanoogs and Meridian, and are now vigorously pressing forward the work of construction, with the avowed intention of completing it as soon as possible, and of making it a first class road in all its appointsments-with the legitimate and inevitable advantages which this road will derive from the completion of these valuable and greatly needed lines now confidently anticipated, and which, at no distant period, must be realized—the business of our road will be greatly extended, and with it will follow the disenthrallment of the company from ali its financial difficulties

It would be greatly to the advantage of this company to extend its road to the Mississippi River to secure an easy and economical dir transfer of freight from the steamboats to the cars, and from the cars to steamboats. It would essen the expense of transfer, and prevent the extra handling of freight, incident to drayage between the river and depot. It would be of great advantage to the lumber trade; would in-duce the erection of additional saw mills on the line of the road, and create a steady market for our valuable pine lumber, to supply St. Louis and Louisville.

This road being much the shortest, of any road running eastwardly from the Mississippi River, to several important commercial points in South Alabama and Georgia—together with the advantage of cheap river freights charged by regular packets plying between Vicksburg and the prin cipal Western cities for western produce, we think we ought to successfully compete for a fair pro-portion of that class of business; and for the same reasons, for Eastern merchandise freights, forwarded to Vicksburg for transhipment west-ward by rail, or to points on the Mississippi river

east, 30,901; do., west 33,230-total, 64,134. Number carried one mile, 2,565,360. Bales of cotton shipped, 23,343. Feet of lumber, 3,478,-

BALANCE SHEET, February 28, 1869. Cost of road\$3,020,794 04

 Bills receivable
 10,667
 24

 Railroad expenditures for fiscal year
 261,783
 35

 Profit and loss
 411,689
 74

 \$3,704,934 37 Capital stock \$357,407 69 Special loan fund......Land and preferred stock scrip.....
Sundry accounts..... 52,690 58 12,995 14 31.884 72

President .- MORRIS EMANUEL.

Directors.—Morris Emanuel, Thomas Rigby, A. B. Reading, Wm. Crutcher, Adelbert Ames, Peter Anderson, Thomas M. Smedes, James B. McDowell, Thomas S. Dabney, D. W. Flowerree, Wm. E. Morris.

I ice President .- THOMAS RIGBY. Secretary & Treasurer-N. G. BRYSON. Gen'l Superintendent .- E. F. RAWORTH.

Changeable Gauge Cars.

A correspondent of the Boston Commercial Bulletin writes as follows of the changeable gauge cars now running between Chicago and Portland :

I visited the Lowell Railroad depot, where I saw several of the cars of the line loading with furniture, shoes, and other merchandise, for dif-ferent points in the West. These cars make quick trips, and work satisfactorily. The change from trips, and work satisfactorily. The change from the New England narrow gauge to the Grand Trunk broad gauge is made at Montreal, with another change at Port Huron, Michigan, from the Grand Trunk, or broad gauge, to the four feet eight and a half inch gauge, which is the general gauge of the Western States. The cars are built and owned by an incorporated company, and are rented to the different railroads forming the property of the state of the property of the state of the property of the p through line, at a fixed rate per car, per mile; it thus becomes the interest of the Car Company to see that their cars are kept moving, and hence the freight with which they are laden must have dis-

Specie Movement at New York in 1869.

Received from foreign ports: In January \$221,278 Received from California:

 March
 842,920

 April
 1,105,001

 May
 1,825,598

 6,943,281 Total supply\$16,040,536 Exported to foreign ports: In January \$3,214,380

 February
 3,232,083

 March
 2,389,968

 April
 1,767,601

 May 2,512,330 - 18,116,862

Gain since January 1st, 1869 .. \$2,924.174

A. L. Dennis has been elected President, H. J. Southmayd Treasurer, and F. W. Rankin Secretary of the New Jersey Railroad and Trans-

RAILROAD AND CANAL DIVIDEND STATEMENT.

Showing the amount of Stock Outstanding, the Dividend Periods and the date of last Dividend.

	No. of the last of	standing.	Periods,	Last Dividend Payable,	Marked thus (*) are leased roads.		Dividend Periods,	Last Dividend Payable.	Marked thus (*) are leased roads.	Stock out- standing.	Dividend Periods.	Last Divide Payabl
AAA	lbany & Susquehanna100 llegheny Valley	\$1,774,824 2,000,000 1,282,200 5,545,225	J. & J.	July '68 4	Hartford and New Haven, 100 Hannibal and St. Joseph. 100 Do. do pref. 100 Hanover Branch, Pa 50	3,800,000 1,900,000 5,258,830 116,850	********		Portl., Saco & Portsm'th*.100 Providence & Worcester_100 Raleigh and Gaston Bensselaer and Saratoga_100	2,600,000	J. & J.	Jul. '68
u	tiontic & GIL Western Du	20.079,920			II Hongatonic 100	N 8231.41001			Richmond and Danville 100	2,000,000		******
	ngusta and Savannah 100	733,700 16,152,962	J. & J. A. & O.	Jan. '69 84 Apl. '69 4	"Hudson River	494,380 190,750	J. & J.	J'n.'68 34	Rockport100 Rome, Watert, and Og'nb_100	88,460 2,400,000	J. & J.	Nov.'6
	Do. Washington Br100 ltimore City Passenger	1,650,000 670,000	A. & O. J. & J.	Apl. 69 5 Jan. '69 8	Illinois Central 100 Indianapolis, Cin. & Lafay.50	23,415,780 6,185,897	F. & A. M. & B.	Feb. '69 5 Sep. '67 4	Rutland preferred 100 St. L., Alt. and T. Haute. 100	2,300,000	F. & A.	Feb'69
	ellefontaine Line100 olvidere Delaware100	4,420,000	F. & A.	Feb.'683	Joliet & North, Indiana*.19	1,500,000	J.A.J&O J. & J.	Apl,'6913 July '68 4	St. L., Jack'nv. and Chic'o.100 Sandusky and Cincinnati.100	1,469,429 2,089,000	(0.13-) THE L.Y	
1	ossburg & Corning.* 50	250,000 13,725,100	J. A J&O J. & D, J. & J.	Apl. 69 14 Dec. 68 24 Jan. 69 5	Leeds and Farmington*	2 158 566	JAJ	Jan.'69 24	Sand., Mansf. and Newark. 100	445,596 901,841	M. & N.	May'6
	oston and Chelses100 oston, Concord & Mont. 100	110,000 459,600	A. & O.	Apl.'69 4	Lehigh and Susquehanna. 50 Lehigh Valley	8,739,800 10,731,400	M. & N. J.A.J&O	M'y.'675 Apl'692	Schuylkill and Suequeh'a, 50 Second and Third St.(Ph.) 50	1,269,150 203,757	J. @ J.	Jan '6
	Do., do. prer 100 oston and Lowell. 500 oston and Maine 100	1,891,500 4,076,974	J. & D. J. & J.	Dec. '68 4 Jan. '69 5	Lexington & Frankfort 100 Little Miami	344,650 514,646 3.572,400	J. & J. J. & J. J. & D.	Jan. '69 8 Jan. '69 8	Schuylkili Valley 50 Scaboard and Roanoke100 Second Avenue (N. Y.)100	576,050 868,200 670,000	J. & J.	Jan'69
3	oston and Providence 100	325,000	J. & J.	Jan, '094 Apl '692	L. M. & C. and X. (Joint'-100	1,804,397	J. & D. J. & J.	Jun. 68 3 Jan. 69 41	Shamokin V. and Pottsv.* 50 Shore Line100	869,450 636,200	F. & A. J. & J.	Feb.'6
ì	roadwy & 7th Av.(N.Y.)100 rooklyn City	399,800	1		Lomb. and South St (Ph.) 26 Long Island 56 Long Branch & Sea Shore	95.194	F.M.AN.	Aug. '66 2 N'v'67 10	Sixth Avenue (N. Y.) 100 Somerville 100 Seuth Carolina 100	75,000 5,819,275	M. & N.	May 16
į	uffalo, Bradford & Pitts.100 uff., New York & Eric*.100 uffaio and Eric100	950.000	M & N	N 168 31	Louisv., Cin. and Lex. pr.100	211,122	J. & J.	Tn '69 44	South Shore		F. & A. J. & J.	
	ambridge Horse (Bost'n)100 amden and Amboy100	737,800 7,921,412	Δ. & O. F. & A.	Apl. 694 Feb. 695	Louisville and Nashville. 10 Louisv., N.Alb.& Ohicago, 10 Lowell and Lawrence 10	2,500,000	A. & O.	Apl. '69 3	Stony Brook 100 Steubenville and Indiana, 100 Stockbridge & Pittsfield*100	267,300 1,983,141	M. & N.	May'€
3	amden and Atlantic, pref. 50 amden & Burlington Co.100 ape Cod Branch	331,000 721,926	JAJ	Jan '60 24	Macon and Western 10 Mahanoy & B'd Mount n 5 Maine Central 10	0 2,000,000 0 1,676,918 0 1,600,860			Stockbridge & Pittsfield*100 Summit Branch	250,000	J. & J.	Jan. '6
1	ape May and Millville100	1.150,000	J. & D.	19 au. 69 2	Manonester & Lawrence_10	0 3,618,374	M. & N.	May '69 5	Taunton Branch100 Tennessee and Alabama 100	250,000 595,922	J.@J.	Jan.'6
	atawissa, pref	589,116 755.000	M. A. N	M2v269 34	illmemonis and Charleston 10	0 6,586,136 0 4,051,744 0 5,312,724	M. & S. M. & S.	Sep. '66 3 Sep. '66 3	Terre Haute and Indiana, 50 Third Avenue (N. Y.)100 Thirteenth and Fif. (Ph.)- 50	1,983,150	J. & J.	Jan.'6
1	entral of Georgia100 entral of New Jersey100	13,768,600	J. A. J.	July '69 5	Memphis and Ohio 10	0 570.000		The state of the s	Tol Peoris and Warsaw 100	1.2.700.000		
3	Do. pref100 en. Park, N. & E. River.100	400,000	J. & D.	Dec. 68 8 Oct. 61 24	Metropolitan (Boston)10 Michigan Central10 Mich. So. & North. Ind10 " guaranteed.10	0 8,477,366 0 10,059,406 0 586,806	F. & A.	Jan'69 15 Feb. '69 4	Tol., Wabash and West100	1,800,000 5,700,000 1,000,000		
	hemung*100	880,000	J.A.J&O	Apl.'69 2	Middlesex (Boston)10	0 400,000	J. & J.	Jan.'69 6	Troy and Boston 100 Troy and Greenbush* 100 Union Transport'n (Bos.) 100	607,111 274,400	J. & D.	Jun'6
1	" pref100 hicago, Burl. & Quincy _ 50	2,425,400	M. & S. M. & S.	Mar. '69 5 M. '69 15	Mill Creek and Minehil*, 5 Millville and Glassboro'10 Milw, & Prairic du Chien, 10 " 1st pref 10 " 2d pref.10 Milw, & St. Paul10	0		Aug. 07 0	Union (Phila.)	834,400	J. @ J.	
	hicago, Iowa & Nebras*.100 hicago and Milwaukee*.100 hicago & N. Western100	2,600,000 2,227,000 14,555,676	JAD	Jan.'09 6	Milw, & St. Paul. 10 " pref. 10 " pref. 10	0 7 151,069				2,500,000 5,000,000 2,800,000	J. & D.	Jun.'6
r	bloom B T & Pacific 100	14 000 000	Amuil	A =11 160 5	Mobile and Ohio 10	2 700 400	0. 00.		Vicksburgand Meridian100 Virginia Central100 Virginia and Tennessee100		********	
2	incinnati City Passenger Street	3,021,004	J'n & J'ly J. & J.	Api.'69 5s Jan.'68\$2 Jan.'65\$2	Montgomery & W. Point 10 Morris and Essex 5 Mt. Carbon & Pt. Carbon* 5 Nashus and Lowell 10	0 1,644,104 0 3,616,350 0 282,350	J. & D.	Dec'68 7s	West Jersey100	2,707,693		
2	itizens' Passenger (Phil.) 50 lev., Col., Cin. & Ind100	192,750	J. @ J. F. & A.	Jan. '69 7 F'b.' 69 34	Nashua and Lowell	0 720,000 0 2,056,54	M. & N.	May'69 5	West Philadelphia 50 Wilm. and Weldon100 Winchester and Potomac	249,100	J. & J.	Jan. '
7	leve., Painsy. & Ashta100 leveland and Pittsburg 50	8,750,000 5,424,091	J. & J. J AJ &O	Jan'69 44 Apl, '69 2	Nashua and Lowell	0 1,430,000 0 500,000 0 738,538	J. & J.	Jan.'69 4	Warren	1,517,650	T 6 T	
3	leveland and Toledo* 50 ol., Chi. & Indiana Cen.100 olumbus and Xenia* 50	5,000,000 11,420,000 1,786,200	J. & J.	Jan.' 69 44	N Haven & Northampton 10 New Jersey	0 6,000 000	J. & J. F. & A.	Jan. '68 3 Feb. '69 5	CANALS,	1 818 963	TAD	
2	oncord & Portsmouth 100	1,600,000 350,000	M. & N. J. & D.	May '69 5 Dec'68 3	New York Central10 "Int, certificates10	0 28,537,000 0 22,829,600	F. & A.	Feb.'69 4	Chesapeake and Ohio 25 Delaware Division 50	8,228,595 1,633,350	F. & A.	Feb.
1	oney Island & Frooklyn 100 onn. & Passum's, Rivers.100 Do. di. ref.100	139,000 1,822,100	J. & J.	Jan. 169 3	New York and Harlem 5	0 5,285,050 0 1,500,000 0 6,000,000	J. & J. J. & J.	Jan.'69 4 Jan.'69 4	Delaware and Hudson100 Delaware and Raritan100 Erie of Pennsylvania 50	10,000,000 2,521,300 64,000	F. & A.	Feb. '6
ì	onnecticut River	1,316,900	A. & O.	Oct. '68 4	Niag. Bridge & Canandai*10	0 2,000,000	J. & J.	Jan.'693	Monongabola Navigata	728 100		
)	ayton and Michigan* 100	2,392,361	T 4. T	Jan. '69 8	North Carolina	0 4,000,000 0 4,648,900	F.M.A.N	May '69 2	Morris (consolidated) 10 (cons.) 6 (1,025,000 1 175,000 1,908,207	M. & N. J. & J. F. & A. F. & A. F. & A.	Feb. 69
)	el., Lackaw. & Western. 50 es Moines Valley	1,820,200		Jan. '69 5	North Eastern (S.C.) pref.10 Northern of N. Hampsh, 10 North Pennsylvania					-,,		
	m pref.100 Dock, E. B'dw. & Bat_100	1,500,000			Ordensh & L. Champles 10	0 2,363,600	J. & J.	Jan. '69 3	W Branch and Snag	1.100.000	J. & J.	Ton 1
	ubuque and Sioux City.100 Do. do. pref.100 astein (Mass.)	1,987,351	Annual, J. & J. J. & J.	J'ly '69 34 J'ly '69 34 Jan. '69 4	Ohio and Mississippi 10	20,000,000	A. & U.	Apr. '09 4	Wyoming valley bu	000,000	irregular	Oct.
	astern (N. H.) 100 ast Pennsylvania 50 ast Tenn, and Georgia 100	654,600	J. & J.	Jan. '09 4	Old Colony & Newport 10	4,259,000 4.848,320	J.A.J&O J. & J.	Apl.'69 24 Jan. '69 3	MISCELLANEOUS. Pacific Mail Steamsh.p	20,000,000	MJ8&D. MJ8&D.	Jun.
	ast Tenn, and Virginia100	1,000,000	J.A.J&O	Jan. '68 4	Pacific of Missouri	281,550 482,460 0 8614,518	F. & A.	Feb,'69 4	American Coal	25,450,000 1,500,000 2,500,000	M. & S. J. & D.	Jan.
	im., Jeffers & Capand*_100 lmira & Williamsport*_ 50 Do. do. pref. 50	500,000 500,000	F. & A. M. & N.	Nov'68 2	III Panama 10	7,000,000	J. AJ&O. J. & J.	Apl. '69 6 Jan.'69 3	Butler Coal26	2,000,000		
	rie Railway100 Do. pref100	87,765,300 8,536,910	F. & A. Annual,	Feb. 66 4 Jan. 68 7	Paterson and Ramapo 10 Paterson and Hudson Riv10 Pennsylvania 20 Peoria & Bureau Valley* 10 Philadelphia and Erio* 5	0 21,045,750 0 1,200,000	M. & N. A. & O.	May '69 5 Apl, '69 6	Lackawanna Coal	200,000	J & J.	Jan.
	vanaville & Crawforday.100	1,148,446	J. & J.	Jan. 169 4	Philadelphia and Reading & Do. Do. preferred &	0 5,998,700 0 21,304,30 0 1,551,804	J. & J.	Jan. '68 8 Jan. '69 5s	Roaring Brook Coal	3,200,000 200,000 800,000	FMA&N	Feb 'd
	itchburg & Worcester.=100 litchburg & Worcester.=100 lint and Holly100 orty-Sec. St. & G. Et.Fy.100	500,000	J. & J. M. & N.	Jan. '69 3 M'y '67 5	Phil., Germ'nt'n & Nor't'n & Phile, and Trenton	0 1,535,550	A. & O. F. & A.	Ap'1'69 5 Feb. '69 5	Spring Mountain Coal 50 Spruce Hill Coal 10	1,250,000	J. & J. J. & J.	Jan.
9	rankf. and Southw.(Ph.) 50	491,620 4,156,000	A. & O. J. @ J. J. & J. J. & J.	Jan. '69 3 Jan. '69 4	Philadelphia City 5	9,058,300 0 100,000 0 100,000	J. & J. J. & J. J. @ J	July'69 4 Jan. '69 3 Jan. '68 4	Wyoming Valley Coal100	1,250,000 10,000.000	A. & O. F. & A.	Aug.
U	ermantown (Phila.) 50	100,000	J. & J. J. & J.	Jan. '68 3 Jul. '67 2	Peoria & Bureau Valley* 10 Philadelphia and Erie* 5 Philadelphia and Reading & Do. Do. preferred, 5 Phil. Germ'n'n & Nor'un & Phila. and Trenton* 10 Phila. Will. & Balt. 5 Philadelphia City 5 Philadelphia and Darby. 2 Philadelphia and Darby. 2 Philadelphia City 5 Priladelphia City 5 Priladelphia City 7 Philadelphia And Cary's Ferry 2 Phitab, Ft. W. & Chicagolo Pittsfield and N. Adams. 10 Portland and Kannebee. 10	5 217,697 0 11,500,000	J. @ J. J.A.J&O	Jan. '69 2	American Express	9,000,000	FMAAN	May,
į	renite	160,000	I d.J.	Jan. 169 2	Pittsfield and N. Adams. 10 Portland and Kennebec, = 10	0 \$79,500	J. & J.	Aug. 68	Wells, Fargo & Co. Exp. 10	10,000,000	FMA&N	M'y'

· C-1	LILAS	ROAL	D EA	RNIN	IGS-	MON	THL	Y .	3 6 3			
Atlantic and Great Western: January. 1886. 475,641 1887. 377,852 1888. 404,467	February, 433,279 380,190 393,251		April. 412,521 407,018 388,654	May. 464,507 465,102 355,255	June. 493,243 383,396 359,184	July. 466,898 400,550 343,325			October. 599,670 483,917 464,376	November 474,056 474,134 455,910	388,573 360,641	Total. 5,696,119 5,167,371
Chicago and Aiton: 1863	101,355 154,418 275,283 222,241 157,832 275,140 304,828	104,372 195,803 299,063 290,111 235,961 267,094 393,648	122,084 162,723 258,480 269,249 282,165 279,121 331,149	132,301 178,786 322,278 329,851 335,510 303,342	145,542 206,090 355,270 371,544 342,358 384,504	149,137 224,257 335,985 321,597 354,244 404,012	157,948 312,165 409,251 387,269 415,982 558,101	170,044 354,554 401,280 322,638 408,999 486,196	170,910 320,879 357,956 360,223 426,752 503,746	. 156,869 307,803 307,919 323,030 359,102 409,569	153,294 252,015 236,824 271,247 330,169 361,701	1,673,706 2,770,484 3,840,092 3,695,153 3,892,861 4,508,643
Chicago, Rock Island and Pacific: 140,024 1863: 140,024 1864: 158,735 1865: 305,554 1866: 241,395 1867: 292,047 1868: 308,587 1869: 333,300	130,225 175,482 246,331 183,385 224,621 297,464 308,200	122,512 243,150 289,403 257,230 272,454 276,431 398,700	126,798 185,013 196,580 209,099 268,369 288,700 362,900	144,995 198,679 234,612 277,506 297,625 308,891 419,100	170,937 243,178 321,818 306,693 276,681 366,200	139,142 224,980 244,121 238,926 297,513 329,800	160,306 307,874 306,231 317,977 444,024 478,600	210,729 375,860 389,489 400,941 566,403 544,900	216,030 324,865 307,523 428,474 599,549 559,900	196,435 336,617 270,073 345,028 442,275 401,100	201,134 321,087 201,779 260,268 377,053 381,400	1,959,267 3,095,470 8,313,514 3,466,922 4,358,614 4,541,973
Chicago and Northwestern: 1863	317,839 482,164 399,917 574,664 807,478 827,254	390,355 499,296 523,745 765,398 850,193 1,149,258	421,363 468,358 537,519 774,279 1,094,598 1,092,378	466,830 585,623 858,948 895,712 1,211,150 1,269,984	.366,100 565,145 747,942 925,983 893,658 1,167,544	281,334 480,710 702,691 808,524 888,214 1,091,466	296,169 519,306 767,508 797,475 1,063,236 1,265,831	473,186 669,605 946,707 1,000,086 1,448,942 1,518,483	651,122 729,759 932,683 1,200,216 1,541,057 1,574,906	435,945 716,378 754,671 1,010,892 1,211,530 1,135,334	407,688 563,400 547,842 712,359 879,900 1,001,892	2,811,544 6,114,566 7,976,490 9,299,430 11,632,737 13,443,765
Erie: 1,185,746 1866. 1,906,759 1868. 1,031,320	987,936 917,639 901,752	1,070,917 1,139,528 1,136,994	1,153,441 1,217,143 1,263,742	1,101,632 1,122,140 1,163,612	1,243,636 1,118,731 1,089,605	1,208,243 1,071,312 1,093,043	1,295,400 1,239,024	1,416,101 1,444,745	1,476,244 1,498,716	1,416,001 1,421,881	1,041,116 1,041,646	14,596,413 14,139,264
Illinois Central : 190,130 1862 190,130 1865 299,944 1864 327,900 1865 571,536 1866 603,063 1867 647,120 1868 587,443 1869 681,656	236,637 271,085 416,588 528,972 505,266 524,871 536,165 558,783	181,084 275,643 459,762 616,665 505,465 417,071 444,443 711,559	191,648 289,224 423,797 516,608 411,605 440,271 518,800 595,355	206,246 334,687 406,373 460,573 569,250 477,027 572,551 655,047	269,282 407,992 510,100 617,682 567,679 516,493 626,249	261,079 343,929 423,578 578,403 480,626 525,242 549,714	352,786 611,305 640,179 747,469 578,253 709,327 794,825	414,543 478,576 799,236 539,736 571,348 738,530 889,967	410,336 496,433 661,391 641,589 661,971 823,901 931,530	372,593 437,679 • 657,141 643,887 588,219 727,810 685,401	359,463 424,531 603,402 518,088 504,066 613,329 681,041	3,445,827 4,571,028 6,329,447 7,181,208 6,546,741 7,160,992 7,817,020
Marietta and Cincinnati: 99,411 1866. 91,316 1867. 94,136 1868. 92,433 1869. 98,517	85,447 78,976 81,599 91,666	84,351 92,910 98,482 103,558	81,181 92,768 108,461 109,526	96,388 90,526 95,416 111,033	103,373 96,535 95,924	98,043 106,594 108,413	106,921 114,716 126,556	104,866 121,217 121,519	113,504 142,823 125,065	112,952 132,387 119,169	123,802 123,383 121,408	1,201,239 1,278,713 1,294,095
Michigan Southern & Northern Indiana 248,784 1863 248,784 1864 256,600 1865 363,996 1866 312,846 1867 305,857 1868 362,021 1869 378,781	230,508 304,445 366,361 277,234 311,088 338,335 363,881	557,227 338,454 413,974 412,715 395,372 381,497 453,481	268,613 330,651 365,180 413,970 409,248 455,983 473,544	264,935 267,126 351,489 418,024 357,749 400,486 445,792	241,236 316,258 387,095 384,684 307,968 363,550	189,145 278,891 301,613 338,858 313,130 301,495	238,012 358,862 418,575 384,401 434,318 435,781	308,106 402,219 486,808 429,177 488,388 512,523	\$75,567 407,107 524,760 496,655 530,871 532,061	332,360 448,934 495,072 429,546 429,785 419,005	348,048 411,806 351,799 352,218 380,034 426,313	3,302,543 4,120,152 4,826,727 4,650,328 4,663,808 4,929,050
Michigan Central: 230,759 1862. 230,759 1863. 242,073 1864. 252,435 1865. 306,324 1866. 282,439 1867. 304,095 1868. 343,316 1869. 384,120	159,658 245,858 278,848 279,137 265,796 283,661 304,315 320,636	151,902 236,432 348,802 344,228 337,158 375,210 326,880 386,527	175,696 238,495 338,276 337,241 343,737 362,783 415,758 411,614	186,039 236,453 271,553 401,456 365,196 333,952 369,236 403,646	174,002 206,221 265,780 365,663 335,083 284,977 325,501	172,189 193,328 263,244 329,105 324,986 313,021 321,013	216,624 215,449 346,781 413,501 359,646 398,993 392,942	295,956 308,168 408,445 476,661 429,161 464,778 456,973	322,369 375,488 410,802 490,694 493,640 506,296 511,820	307,474 339,794 405,510 447,670 414,604 412,934 410,826	258,634 306,186 376,470 328,870 308,669 330,373 390,671	2,650,702 3,168,065 3,970,946 4,520,550 4,260,115 4,371,073 4,569,251
Milwaukee and St. Paul: 319,763 1867. 319,763 1869. 368,487 1869. 454,130	240,755 350,884 330,233	261,143 333,281 420,774	316,266 435,629 460,287	401,900 565,718	369,356 458,094	365,412 423,247	350,565 522,545	751,738 1,023,520	1,101,771 1,037,434	775,616 529,927	438,323 468,796	5,683,608 6,517,562
New York Central: 957,869 1866. 957,869 1867. 901,571	613,381 895,887 845,853	955,659 1,135,745 1,075,773	1,346,734 1,190,491 1,227,286	1,255,521 1,170,415 1,093,731	1,132,701 1,084,533 934,536	1,162,024 1,135,461 1,101,693	1,495,752 1,285,911 1,388,915	1,524,434 1,480,929 1,732,673	1,526,839 1,530,518	1,486,356 1,211,108	1,117,858 935,857	14,575,128 14,143,215
Ohio and Mississippi: 210,329 1864. 259,223 1865. 259,223 1866. 267,641 1867. 242,793 1868. 2211,973 1869. 180,366	260,466 239,139 246,109 219,065 231,351 216,080	309,261 313,914 326,236 279,647 265,905 221,459	269,444 271,527 277,424 284,729 252,149 214,409	224,963 290,916 283,130 282,939 204,620	223,242 304,463 253,925 240,135 217,082	268,177 349,285 247,262 234,633 194,455	302,596 344,700 305,454 322,521 287,557	332,400 350,348 278,701 365,371 307,122	278,006 372,618 310,762 379,367 283,329	346,243 412,553 302,426 336,066 274,637	275,950 284,319 281,613 272,053 233,861	3,311,077 3,793,005 3,380,583 3,459,319 2,964,041
1862.	217,161 361,834 532,786 608,305 725,967 534,561 518,174	244,423 396,771 617,021 116,215 779,198 703,618 651,019	258,674 429,929 669,384 923,283 861,604 836,603 817,750	283,996 505,517 757,178 416,341 1,109,267 965,358 761,220	254,285 464,809 936,188 566,979 1,140,301 903,974 744,188	388,725 451,884 711,457 957,194 996,841 864,637 314,472	414,707 574,486 1,170,241 1,121,205 1,252,386 693,104 631,143	448,994 714,302 1,125,635 1,351,579 833,742 873,153 1,006,631	463,873 815,902 754,551 1,419,232 887,793 956,658 1,159,726	466,557 746,955 1,032,149 1,196,955 874,974 837,351 1,113,398	454,826 526,009 812,178 702,685 436,990 586,779	4,088,837 6,324,083 9,555,510 10,033,026 10,637,124 9,256,284
Pittaburg, Fort Wayne and Chicago: 1862. 293,420 1863. 337,350 1864. 290,676 1865. 690,144 1866. 559,982 1887. 542,416 F 1888. 550,505 1889. 625,721	274,258 366,598 457,227 678,504 480,986 525,497 604,316 585,997	295,778 461,965 611,297 857,583 662,163 627,960 689,317 745,504	282,695 462,787 588,066 733,866 599,806 590,557 770,198 729,778	277,009 427,094 525,751 637,186 682,510 586,484 615,600	261,210 395,845 532,911 646,995 633,667 507,451 601,239	249,419 350,753 506,641 584,523 552,378 537,381 556,828	277,380 407,077 625,547 712,495 648,201 606,218 656,424	297,525 463,509 675,360 795,938 654,926 669,037 781,562	401,299 505,814 701,352 858,501 757,441 784,800 827,639	364,334 466,300 691,556 712,363 679,935 690,598 685,554	370,983 487,642 914,082 580,964 555,222 573,727 746,999	3,745,310 5,132,934 7,120,466 8,489,062 7,467,217 7,242,126 8,041,181
1866	155,893 149,342 133,392	192,138 174,153 149,164	170,485 188,162 155,388	168,699 171,736 130,545	162,532 156,066 140,408	166,015 172,933 143,987	222,953 220,788 204,597	198,884 219,160 196,910	244,834 230,340 210,473	212,227 205,095 174,500	177,364 180,971 168,696	2,250,142 2,218,402 1,935,753
1889. 132,623 Toledo, Wabash and Western 1864. 1864. 79,735 1865. 144,034 1866. 226,060 1867. 237,674 1888. 278,712 1889. 228,192 284,192 228,192	127,817 95,843 139,171 194,167 200,793 265,793 265,137	175,950 132,896 155,753 256,407 270,630 263,259 242,705	123,987 144,001 270,300 317,052 292,285	127,010 138,738 316,433 329,078 260,529	156,338 194,525 325,691 304,810 293,344	139,626 271,799 304,917 309,951 283,833	244,114 374,024 396,248 364,724 484,208	248,840 377,981 349,117 382,906 450,203	221,570 375,534 436,065 406,766 429,898	220,209 361,910 354,831 351,759 323,274	265,154 247,023 287,150 333,480 320,756	2,050,322 2,924,543 3,717,386 3,809,353 3,945,894
Western Union: 1885. 43,716 1886. 45,102 1887. 39,078 1888. 46,415 1899. 41,991	37,265 36,005 27,667 40,703 42,202	32,378 39,301 36,392 39,198 54,554	33,972 43,332 40,710 49,231	63,862 86,913 57,852 70,163	82,147 62,918 60,558 77,839	68,189 85,276 58,262 59,762	59,862 60,698 73,525	75,677 84,462 126,495 97,338	92,715 100,312 120,248 97,600	61,770 75,248 79,431 67,145	37,830 54,468 54,719. 45 470	689,383 814,036 774,957 764,971

NATIONAL AND STATE SECURITIES.

* Indicates that no interest is paid.	Amounts outstanding.	Rate.	Payable.	WHEN PAY- ABLE.	Marke Price.	* Indicates that no interest is paid.	Amounts outstanding.	Rate.	Payable,	WHE! PAY- ABLI
National Securities, June 1, 1869. oan of June 14, 1858 registered ?	00.000.000	5	Jan. & July.	aM.	123	Massachusetts—Western R. R. Loan, sterling —Troy and Greenfield Loan, stg.	3,578,696	5	April & Oct	169-18 188-19
oan of June 22, 1860registered	20,000,000	5	4 4	1874	1211 1334	dollar	1,166,500	5 5	Jan. & July	190-19
	7,022,000	5	66 66	1871		Nor. & Wore. R. R. Loan	400,000	6	66 66	1877
oans of Feb. 8, July 1, Aug. 3,'61 registered coupon	282,732,400	6	44 44	1881	117 121‡	-B., H. & Erie R. R. Loan, stgState Scrip (var.)	290,400 171,000	6 5	Various.	1900
regon War Bonds of March 2, 1801	945,000	6	July.	1881	****		117,000 125,000	5	April & Oct	
oan of Feb. 25, 1862 (5-20s)registered (5-20s)coupon	514,771,600	6	May & Nov.	1882	117		244,000 162,000	6	June & Dec	
oan of March 3, 1864 (5-20s)registered (5-20s)coupon	3,882,500	6	44 , 44	1884 1884	117± 117±	-Union Fund Loan of 1861	50,000 200,000	6	Jan. & July	1877
oan of June 30, 1864 (5-20s)registered (5-20s)coupon	125,561,300	6	46 44 46 44	1884 1884	1174	:: = :: :: :::::::	650,000 720,000	6	4 4	174-1
oan of March 3, 1865 (5-20s)registered (5-20s)coupon	203,327,250	6	66 66 88	1885 1885	117 E 118 E	= 1862	1,430,000	6	66 66	1876
2d series (5-20s)registered (5-20s)coupon	332,998,950	6	Jan. & July.	1886 1886	1154 1194	—Back Bay Loan of 1862-'63	220,000 200,000	5	May & Nov Jan. & July	1886
3d series (5-20s)registered (5-20s)coupon	379,534,450	6	66 66	1887 1887	1197 1198	-Bounty Fund Loan of 1863 '64-'67, sig.	4,000,744	5	May & Nov	
4th series (5-20s)registered	42,539,350	6	81 66 66 81	1888		Coast Defense Loan of 1863	4,379,500 888,000	8	Jan. & July	1888
(5-20s)coupon (10-40s)registered	194,567,300	6 5	Mar. & Sept.	1904	119g 108g	-War Fund 5-20 LoanThree Years' Loan	3,505,000 919,324	6	Mar. & Sept Var.	3 vn
(10-408) (currency)		6	Jan. & July.		108% 1074	Michigan—Sault Canal Bonds	86,000 200,000	6	Jan. & July	1879
ertificates of Mar. 2, 1867, and July 2, 1808	53,075,000 14,000,000	3		Dem.	****	—Two Million Loan	1,728,000 896,000	6 7	et 19.	1886
paus of 1842, 1847 and 1848exas Indemnity Bonds of Sept. 9, 1850	132,100 222,000	6		Due.		-Bounty Loan Minnesota-*Railroad Loan	463,000 2,275,000	7	May & Nov Jan. & July	1890
	104.511	6 var	**********	Due.		Mississippi*State Bonds (for banks)	7,000,000	6	Jan. & July	141-"
easury Notes of 1857, '60, '61 and '63 easury Notes (7.30s)	35,000	7	*************	Due.	****	Missouri—State Bonds proper —Consols. (interest)	453,000 2,830,000	6	66 11	1887
runcates of Indebtedness	2,956,350	6	*************	Due. Due.	****	-Railroad Loans	13,734,000 1,589,000	6 7	44 44	'82-'9 '81-'8
mporary Loan of June 30, 1864	186,610	var	**********	Due. Dem.	****	—Han. and St. Jo. R. R. Loan Nebraska—(No Account)	3,000,000	6	66 66	81-18
actional Currency	389,511,567	41		46		Nevada—(No Account)	1,089,800		Jan. & July	160.11
State Securities, latest dates.	100 000	5	Wan 6 W	1000	07	of Sept. 1, 1864	600,000	6	Jan. & July Mar. & Sept April & Oct	184-18
abama—State Bonds(extended)	168,900 2,414,800	5	May & Nov.	1872 '83-'85		— of Oct. 1, 1865 — of July 1, 1866	1,267,000 500,000	8	Jan. & July	.1 • 1866
(sterling)	770,500 732,800	5	66 66	770-'86 1886		New Jersey—War Loan of 1861 (free) of 1863 (free)	1,599,800 1,002,900	6	Jan. & July	186-1
kansas—*State Bonds (Real Estate Bank) .	660,200 886,600	8	April & Oct.	'94-'95 1861	100	New York—General Fund Stocks	593,409 700,000	6 7	J. A. J. & O	1876
_* (State Bank)	440,000 3,066,500	6	Jan. & July. Jan. & July.	1868	132	–	800,000 1,189,781	6	64 44	1878 pleas
- 1860	177,500 470,500	7 7	4 4	1880 '83-'85			900,009 348,107	5	44 44	1878 pleas
Bounty Bonds	982,000	7	66 66	'83-'85		-Canal Stocks	2,607,300	6	J. A. J. & O	1872
nnecticut—War Bonds, My,'61,(10 or 20yr)		6	Jan. & July.	'71-'81 '72-'82		. –	5,726,800 2,250,000	6	65 66	1873 1874
Nov., 1863	7,513,692	6	April & Oct.	1883 '74-'78	****		500,000 900,000	6	46 46	1875
May 1, 1865, (free) j (various) registered	867,500	6	Various.	1885 Var.		-Bounty Stock	2,035,800 3,757,000	5	Jan. & July	1874
orida—State Bonds	500,000	8 7	Jan. & July.	Var. Var.		North Carolina—State Bonds (old)	22,186,000 8,511,000	7	J.&J.orA.&O.	1877
orgia—State Bonds (W. & A. R. R.)	100,009 176,000	7	Jan. & July. May & Oct.	1870 1870	97	(new)	3,059,045 3,200,000	6	Jan. & July	192-19
(Act March 12, 1866)	3,164,500	7	Jan. & July.	1886	****	– (Chatham R. R.) (funding)	2,439,900 2,026,171	6	Jan. & July	1898
(W. & A. R. R.)	1,519,000 75,000	6	May & Oct.	'68-'74 1874		Ohio—State Loan (New York)	1,600,000	6	Jan. & July	1875
(Atl. and Gulf R. R.)	734,000 72,000	5	Feb. & Aug. Mar. & Sept.	'78-'86 1869	****	(")	4,095,309 2,400,000	6	4 4	1881
nois—New Internal Improvement Stock —Interest Bonds	1,635,954 996,649		Jan. & July.	1870 1877	1001	—Union Loan (Columbus) Oregon—Bounty Bonds	400,000 94,015	R	Jan. & July	1871
- Liquidation Bonds	193,400 985,900	6	EE 66	1865		Relief Bonds Pennsylvania—State Stocks)	82,142	7	Various.	1874 Due
-Thornton Loan Bonds	104,000	6	66 66	1869			2,797,910 }	5	Jan. & July.	1
-War Loan Bonds(sterling)	543,200 792,222	6	66 66	1870	1001	-Coupon Loans	4,724,000	5	Various.	272-18
iana—State Stockregistered	535,367 2,322,925	5	Jan. & July.	1870 1866	973	-Inclined Plane Loan	112,000 400,000	8	Jan. & July. April & Oct.	1879
-War Loan Bonds	210,000 200,000	6 7	May & Nov. Jan. & July.	1888 1868		-Redemption Loan of 1867	4,907,150 7,909,600	6	Feb. & Aug.	1872 1877
-War and Defense Bonds of 1861 nsas-War Bonds, 1861-'67	300,000 750,000	7	Jan. & July.	1881			9,273,050 910,200	6.5.	4 4	1882
-Territorial Debt Bonds	100,000	6	July. April & Oct.	'83-'84		Military Loan	2,820,750	6.	April & Oct.	1871
	1,421,000 339,000	6	May & Nov.	1879		Rhode Island—War Loan of 1861 of 1862	30,500 1,157,000	6	Mar. & Sept.	1882
Military Bonds	160,000 635,000	6	April & Oct. Various.	'80-'93	****	– of 1863 of 1863	214,000 776,000	6	April & Oct. Jan. & July.	1893
islana—State Bonds (Schools, &c.)	684,500 2,092,000	6	Jan. & July. Various.	1893		South Carolina—Fire Loan, 1838	881,000 314,454	a-	J. A. J. & O.	1870
(Charity Hospital)	86,000 1,000,000	6	Mar. & Sept. Various.	1872 1886	66	— (stg.)	484,445 2,386,000	5	46 66	1868
(" 1867)	2,414,000 3,000,000	6	May & Nov.			-Blue Ridge R. R	1,000,000 1,282,971	.6	46 44	175-17 170-19
(Funding)	494,800	6	Various.	186-188		Tennessee—State Bonds	1,398,640		April & Oct.	Var.
ne-Civil Loans	250,000 171,000	6	Mar. & Sept. Various.	'75-'78	****	=	289,160 1,706,000	6	45 46	. "
-War Loan of 1861	800,000 525,000	6	Mar. & Sept.	1871 1883	****	Railroad Loans	25,903,000 2,172,000	6	Jan. & July.	Var.
1864	2,832,500 475,000	6	June & Dec. Feb. & Aug.	1889 1880	991	—Funding Bonds Texas—No legal debt	4,677,950	6	" "	44
-Bounty Loan of 1863ryland-Sterling Bonds of 1838	802,000		J. A. J. & O.	1865	991	Vermont-State Bonds	1,026,000	- 1	June & Dec.	'71-'7 '71-'7
converted	2,252,112 1,214,580	5	44 44	'89-'90 '89-'90		Virginia—State Stock	201,000 20,653,962		Jan. & July.	l ong.
- Currency Bonds of 1837	269,000 24,000	8	66 66	1890 1880	96	Bonds	10,963,000 2,331,500	6	" "	64
1834-'35	1,438,428 525,008	6	44 44	'70-'85 '89-'99			2,880,801 3,446,000	6	4 4	1870
1838-'39	46,232	5	46 46	1890		Guaranteed Bonds	1,735,380	6	4 4	Var.
Bouth Relief Loan of 1867	2,040,100	6	4 4	1883 1873	100	West Virginia—No Debt	167,800	6	Jan. & July,	77-186

An Asterick (*) affixed to rate of interest signifies "Payable in Coin."

Development of Development		te.	Interes	Payable.	6	ce	Description of Bonds	Amount.	ite.	Interest	Payable.	Due.	ce.
Description of Bonds.	Amount.	Rate	When.	Where.	Due	Price	Description of Bonds.	Amount.	Ra	When.	Where.	A	Price
Adirondack: 1st Mortgage	4915.000	7	Jan. & July	New York.	1886		Camden and Burlington County: 1st Mortgage of 1867 for \$350 000	\$259,000	6	Feb. & Aug.	Philadelphia.	1897	86
Alabama and Florida:							Cape Cod Central:	125,000		_ & _	Boston.	18-	
1st Mortgage	300,000 550,000	7	Jan. & July	66 66	1867 1887		Cape May and Millville:			4	New York.	18-	
3d Mortgage	300,000 304,101	7	April & Oc Jan. & July	t. « «	1871 1876		1st Mortgage Catawissa:	200,000		a	Land Dept.	la const	
Albany and Susquehanna:	4,600		Jan. & Jul		1893		1st Mortgage Cedar Falls and Minnesota:	262,000	7	Feb. & Aug.	Philadelphia.	1882	97
1st Mortgage	1,000,000	6	May & No	V. 66 66	1895		1st Mort. (C. F. to Waver. 14 m.)	294,000	7	April & Oct. Jan. & July.	New York.	1885 1887	
2d Mortgage for \$2,000,000 Allegheny Valley:	802,000	7	April & Oc	t	1885	80	1st Mort. (W. to Minn. L. 69 m.) Cedar Rapids and Missouri River:	1,201,000			W W	Fe 1914	
1st Mortgage 1st Mortgage (Extension)	398,000 4,000,000	7 7 2	April & Oc	t. Pittsburg.	1891 1896		1st Mortgage Central Branch Union Pacific:	********	7	- 4 -	New York.	1916	91
Androscoggin:				D			1st Mort. (Atchison & Pike's P.)	1,600,000		May & Nov. Jan. & July.	New York.	1895 1895	
1st Mortgage		6	June & De	c. Portland.	1877		2d Mortgage Governm't subsidy. Central of Georgia:				Community	1	***
1st Mortgage Atlantic and Great Western:	150,000	6	Jan. & Jul	Keene.	1861	****	1st Mortgage Central of New Jersey:	786,000	7	March & Sept.	Savannah.	1875	9
1st Mortgage (New York)	886,000	7*	April & Oc	t. London.	1879		1st Mortgage	900,000		Feb. & Aug. May & Nov.		1870 1875	91
1st Mortgage (Pennsylvania) 1st Mortgage (Ohio)	3,740,900	7		New York.	1877 1876		2d MortgageCentral Ohio :			1 1 1 1 1 1 1 1 1	Harmon Day	1	10
1st Mortgage (Franklin Branch) 1st Mortgage (Buffalo Extension)	349,000	7*	June & De		1882 1884		1st Mortgage Central Pacific of California:	2,500,000		March & Sept.		1890	8
1st Mortgage (Silver Creek Br.).	200,000	7*	March & Sep	t. "	1884		1st Mortgage (on 725 m.) free	21,003,000 1,500,000		Jan. & July.	New York.	1896 1885	10
2d Mortgage (New York) 2d Mortgage (Pennsylvania)	761,000 757,500	7=	April & Oc	t. New York. London.	1881 1882		2d Mortgage (paid by Cal.) Convertible bonds	1,500,000	7*	46 66	4 4	1883	11
2d Mortgage (Ohio)	2,653,000		Jan. & Jul April & Oc		1883 1895		National Loan		1			150 101	
Atlantic and Gulf:						-	1st Mortgage (guar by S. Car.) Charlotte and South Carolina:	505,000	6	March & Sept.	Charleston.	1877	4
1st Mortgage (S., A. & G. R. R.) 1st Mort. (A. & G.R.R.No. 7 to T	300,000		April & Oc	t. Savannah. New York.	18—		1st Mortgage for \$500,000	334,000	7	Jan. & July	New York.	var.	10
1st Mort. (A. & G. R.R. S., No. 7) 1st mortgage (Bainbridge Ext).	500,000		et et	66 66	18— 18—		Cheraw and Darlington: 1st Mortgage	150,000	7	- & -	Charleston.	1870	
Consol. Mort. (\$2,000,000) free	*******	7	Jan. & Jul		1897	84	2d Mortgage	75,000	7	- & -	"	1868	**
Atlantic and St. Lawrence: Portland City Loan (skg fund)	1,500,000	6	Various.	B. & N. Y.	168_17		Cheshire: Company bonds	672,200	6	Jan. & July	Boston.	175-18	0
2d Mortgage	1,499,992	6	April & Oc May & No	t. Portland.	1866 1878		Chester Valley: 1st Mortgage	500,000	7	May & Nov	Philadelphia	1872	
Baltimore and Ohio:							Chicago and Alton:		1.	May & Nov		1877	1
Loan of 1834 Loan of 1855	863,250		J. A. J. & Jul		1867 1875	934	1st Mortgage, pref. sinking fund 1st Mortgage	2,400,000	7	Jan. & July	66 66	1893	10
Loan of 1850 Loan of 1853	579,500		April & Oc	et et	1880 1885	90 1	Income bonds (2d Mortgage) Chicago, Burlington and Quincy:	1		April & Oct	1	1883	1
Baltimore City Loan of 1855	5,000,000	6	Jan. & Jul	y. "	1890		Trust Mortgage	3,078,000 150,000	8 0	Jan. & July	New York.	1883 1883	1
Northwestern Va. R. R. 2d Mort Northwestern Va. R. R. 3d Mort	481,500		4 4	46	1873 1885	****	Trust Mortgage, convertible 2d Mortgage	941,00	0 4	d July.	Frankfort.	1890	
Bay de Noquet and Marquette: 1st Mortgage			Jan. & Jul	y. New York.	18-		Chicago, Cincinnati and Louisv.:	680,00	0 7	March & Sept	. New York.	1890	
Bellefontaine:		1				1	1st Mortgage for \$1,000,000	400,00	0 7	Jan. & July	. New York.	1887	
1st Mortgage (B. and Ind. R.R.) 2d Mortgage	1,225,000		Jan. & Jul	y. New York.	1870	0	Chicago and Great Eastern: 1st Mortgage	5,600,00	0 7	April & Oct	. New York.		T,
Bellefonte and Snow Shoe: 1st Mortgage			Ton & Tul	y Dhile delahie			1st Mortgage (convertible) Chicago, Iowa and Nebraska:	0,000,00	7			1895	
Belvidere Delaware:			Jan. & Jul				1st Mortgage	1,110,00	0 7	- 4 -	New York.	1881	
1st Mortgage (guar. by C. & A. 2d Mortgage (guar. by C. & A.	1,000,000		March & Se		1867 1885	89	Chicago and Milwaukee (45 m'ls) 1st Mortgage (C. and N. W.)	. 397,00					1
3d Mortgage (guar. by C. & A. Blue Ridge, S. Car.:			Feb. & Ai		1877	80	3d Mortgage (" ") Chicago and Northwestern:	. 37,90	0 7	Feb. & Aug		1870	
1st Mortgage of \$2,500,000	204,000	7	Jan. & Ju	y. Charleston.	1884		Pref. sinking fund b'ds (193 m.)	. 1,249,50 755,00				1885 1883	
Boston, Clinton and Fitchburg: 1st Mort. (Agricultural Br. R.R.	100,00	0 6	Jan. & Ju	y. Northboro'	1875		Funded Coupons	. 3,595,50	0 7	Feb. & Aug	. 66 66	1885	
1st Mortgage (B., C. and F. R.R. Boston, Concord and Montreal:	300,00		66 6	Boston.	1886			184,00			44 44	1885 1885	
1st Mort. (Conc. to War. 71 m.)						94	Equipment Bonds		0 7			1874 1884	
2d Mort, conv. (1st M. on 22 m 2d Mort, conv. (1st M. on 22 m	250.00		Jan. & Ju	y. Boston. New York.	1870 1870	90	Floin and State I. nurchase hid	8 189,00	0 6	46 46	66 66	1878	1:
Sinking Fund Mortgage Boston, Hartford and Erie:	- 500,00		66 6	Boston.	1889	92	Consolidated sinking fund bond Equipment Bonds	3,422,00 1,925,00	0 7 0 10	May & Nov		1915	1
1st Mortgage (old)		0 7	March & Se	pt. Boston.	1884	83	1st Mort. (Gal. & Chic. U. R. R.	1,919,00	0 7	Heb. & Aug May & Nov	46 66	1882	j
Boston and Lowell:	- 3,900,00	0 7	Jan. & Ju	ly. "	1899	63	2d Mort. (Gal. & Chic. U. R. R. 1st Mortgage (Peniusula R.R.).	1,075,00	0 7	March & Sept	46 46	1898	1
Company bonds (no mortgage) Company bonds (no mortgage)	440,00		Jan. & Ju April & O		1873 1879	98					11 6	1898 1888	
Company bonds (no mortgage) Boston and Providence:	304,60	0 6		*	1887		Chicago Rock Island and Pacific	:	0 7	Jan. & July	New York	1870	1
Company bonds (no mortgage)	. 94,38	2 6	April & O	et. Beston.	68_"	7	1st Mort. (C., R. I. and P. R. R.	6,699,00	0 7		4 65	1896	
Buffalo, Bradford and Pittsburg: 1st Mortgage.	1		Jan. & Ju				Cin. & Chie. A.L.(C.C.&I.C.R.R. 1st Mortgage		. 7	Feb. & Au	New York.		14
Ist Mortgage	300,00						Sinking Fund Cincinnati, Dayton and Eastern		. 7	May & No	7- " "	1886	1
18t Mort. (Buff. & O.C. Cross-cu	(a) 100,00 (b) 600,00			ly. Pittsburg. New York	18-	***	1st Mortgage	. 465,00	00 7	Feb. & Aug	New York.	1896	
Buffalo and Erie: Co. bonds (Buff. and State Line	400,00	0 7	June & D	ec. New York	. 1870		Cincinnati, Hamilton and Dayton 2d Mortgage (1st Mort, paid)	. 1.250.00	00 7	May & No	New York.		-
Co. bonds (Buff. and State Line Co. bonds (Buff. and State Line	100,00	0 7	May & N	ov. " "	1873		2d Mortgage		00 8	Jan. & July	· " "	1885	
Co. bonds (Erie and Northeast	200,00			ly. " "	1882 1886	:::	1st Mortgage	. 2,000,00	00 7	- & -	New York.	1882	1
Buffalo, New York and Erie: 1st Mortgage.				ec. New York		86	Cincinnati and Indianapolis June	1,200,00	00 7	& -	New York.	1888	
2d Mortgage Burlington and Missouri River:	380,00	0	May & N	ov. " "	1872	82	Cincinnati and Martinsville:	400,00	10 7	_ & _	New York.	1895	1
Land Grant Mostgage		10 7	April & C	ct. New York	. 1893	89	1st Mort. (guar. by I. C. & Lat Cincinnati, Richmond & Chicago	:		-	1000000	PART	1
Unsecured bds con into prof et	1,288,00	00 7	is is	4 66 66	1870 1878		1st Mortgage	560,00	1	14 11 11 11	New York.	9 (1500)	1
Camden and Amboy:	600,00				1878	100	1 1st Mortgage		00 7	May & No	New York.	1893	
	1,841,80	32 5	* Jan. & Ju	ly. London.	1880		1st Mortgage	425,00	00 7	Jan. & July	New York.	168-1	90
Loan for \$900,000	210,60	00 6	April & C	et New York			Cleveland and Mahoning:	. 850,00	0 7	Feb. & Au	New York		
Loan for \$675,000	675,00	00 6			1875	90	2d Mortgage	. 587,00	00 8	March & Sep Jan. & July	t. 44 44	1876 1881	
Loan for \$1,700,000 Loan for \$2,500,000 Consol. Mortgage for \$5,000,000 Camden and Atlantic:	1,700,00		Feb. & A May & N	OV	1883 1889	85	Cleveland and Pittsburg:				State Line	9 1937	1
	4 407 00		June & D	ec. u	1889	98	2d Mortgage (or 1st Extension)	. 1,130,00	0 7	March & Sep May & Nov Jan. & July	t. New York.	1873 1875	
Camden and Atlantic: lat Mortgage	4,437,30	~	ounce to 1		115		3d Mortgage (or 2d Extension).	1,003,00	10	may at 140		1892	

An Asterick (*) affixed to rate of interest signifies "Payable in Coin."

Description of Bonds.	Amount.	Rate.	-		Payable.	Due.	Price.	Description of Bonds.	Amount.	Rate.	1	Interest		ne.
Description of arming	The state of the s	Rs	Whe	en.	Where.	A	P	Description of Donal.	Amoun	Ra	& Wh	nen.	Where.	Due.
Dieveland, Painesv. and Ashta.:		T						Erie:						
1st Mortgage		0 7	Jan. &	July.		1874	914	1st Mortgage	\$3,000,000	0 7				
2d Mortgage			April &	e Oct.	4 4	1881 1888	92	2d Mortgage			March.	& Sept.	* "	1879
eveland and Toledo:			1				0.0	4th Mortgage	4,441,000	0 7		& Oct.		1880
st Mort, (June. R. R. 1st Div.) .	27,000		April &			1867		5th Mortgage	926,500	0 7	June &	& Dec.		1888
at Mort. (June. R. R. 2d Div.)	. 126,000	0 7	June &	& Dec.	66 66	1882 1886		Buffalo Branch Bonds	. 186,400	0 7	Jan. &	& July.	. "	1891
st Mortgage (Clev. and Tol.) at Mortgage S. F. (Clev. & Tol.)	2.021,000	1 7	Jan. &	July.			1001	Sterling Loan £800,000 Erie and Pittsburg:			Marca	& Sept.	London.	1875
umbia and Augusta:							1000	1st Mortgage	. 900,000		Jan. &	& July.	Philadelphia.	
at Mortgage for \$1,000,000	650,000	0 7	Jan. &	July.	New York.	1888		2d Mortgage for \$700,000				& Oct.	4	1875
lumbus, Chicago & Ind. Cent.:								Evansville and Crawfordsville:					The second second	
Trust Mort. S. F. for \$15,000,000. umbus and Indiana Central:	0	1	April &	& Oct.	New York.	1908	84	1st Mortgage of 1852	350,000			& July. & Nov.		1869 1869
st Mortgage	. 3,200,000			Nov.		1904	84	1st Mortgage of 1854	. 740,000 150,000		Feb. &		7	1869 1881
d Mortgage	. 816,000	0 7	16	66	66 61	18-	81	Fall River, Warren & Providence:	:					
ncome Bonds				u		18—		1st Mortgage		0 7	- 8	&	Providence.	. 18-
lumbus and Xenia: st Mortgage for \$500,000			March &	- gent				Flemington:		1				
nnecticut and Passumpsic Riv.:	:			E Bep.		1890		1st Mortgage, guaranteed Flint and Pere Marquette:	. 100,000	0	-	&	Princeton.	18-
st Mortgage for \$800,000	573,800	0 6	June &	e Dec.	Boston.	1876	874	1st Mortgage	. 815,000	17	- 1	&	New York.	18-
anecticut River:								Galena and Chicago Union:		1				
st Mortgage	. 250,000	0	March &	& Sept.)	Boston.	1878	98	1st Mortgage	. 1,919,000					
nnecting:								2d Mortgage	. 1,029,000	0 7	May &	& Nov.	. 44 46	1875
st Mortgage guaranteed uncil Bluffs and St. Joseph:	. 1,000,000	0	Jan. &	July.	Philadelphia.	1596	871	Mississippi Bridge	. 200,000					1884
uncil Bluffs and St. Joseph: st Mortgage	. 500,000	17	Jan. &	July,	New York.	1887	10	Grand Rapids and Indiana: 1st Mortgage		17	Jan. &	- July	New York.	. 1886
mberland Coal and Iron:								Grand River Valley:				& our		
Bonds of Nov., 1852	. 397,000	0 8	Jan. &	July.	New York.	1869		1st Mortgage, guaranteed	. 100,000	8	Jan. &	& July	New York.	. 18-
Bonds of Feb., 1864	. 89,000	0 6	Feb. &	Aug.		1869		Grand Trunk (Ca.):						
Sonds of July, 1867	. 95,000	6	**	66.		1877		1st Preference Bonds		5*	Jan. &	& July.	London.	18-
mberland and Pennsylvania: st Mortgage for \$1,000,000	998,000	16	March &	- Cent	New York.	1901		2d Preference Bonds	7,355,986	6 5*	# 46 # 4	66	46	18-
mberland Valley:						1891	****	3d Preference Stock	. 25,592,860			46	4	18-
st Mortgage	161,000	18	April &		Philadelphia.	. 1904		Equipment Bonds	. 2,433,333	3 6*	* April	& Oct.		18-
d Mortgage	. 109,500	0 8	66	66	44	1904		Postal and Military bonds	5,840,000					18
ompany's Bends	. 85,300			4	Harrisburg.	18-		Great Western of Canada:		1				
nbury and Norwalk:		7	Jan. &	Tuly,			10	Government Loan £573,688	. 2,782,387	6	4-	&	Ottawa.	179_1
st Mortgageyton and Michigan:			Jan	duy	New York.	'70-'80		Mortgage Bonds £615,200 Mortgage Bonds £547,000	. 2,983,720 . 2,652,950	10	4= 7	& — & —	London.	773-7
Mortgage	. 283,000			July.		1867		Stock Debentures £46,700	2,652,950	0 5	-	&	- ""	irred
st Mortgage	2,589,000	0 7	66	"	66 66	1881	****	Great Western of Illinois:						irre
d Mortgage	. 642,000	0 7	March &	& Sept.	A 44	1884		1st Mortgage (W. Div.)	1,000,000	0 10	April	& Oct	. New York.	
Coledo Depot Bonds				44	* "	181-194	4	1st Mortgage (E. Div.)	45,000	0 7	Feb. 4	& Aug	g. 66 66	1888
yton and Union: 1st Mortgage, registered			March &	- gent	Vork.		1	1st Mortgage (General)	2,500,000	0 7	46	44	81 44	1888
lst Mortgage, registered ld Mortgage	. 135,000	0 7	June &		. 66 66	1879 1879		Greenville and Columbia:	2,000,000	1	May &	& No.	F. 44 44	1893
Income Bonds		0 6	4	4)	86 85	1879 '79 aft	ft	State guaranteed bonds			Jan.	& July.	Charleston.	. 18-
yton and Western:				- 1			****	1st Mortgage				41	New York.	
lst Mortgage	275,000	1 7	March &	& Sept.	. New York.	1882		Hannibal and St. Joseph:				*-1		
2d Mortgage	. 463,000	1 6	June &	& Dec.	46 10			State Loan of 1851	1,500,000			& July.		1881
elaware: let Mortgage	500,00°	0	Jan. &	Tuly	muladelphia	1875		State Loan of 1855	. 1,500,000	0 6	66	66	£ 44 11	1885
let Mortgage	100,000	0 6	66	64	44	1875	90	Land Mort. of 1863 for \$3,400,000 Convertible bonds of 1863	00 2,300,000	00 7	Apri	& Oct.	t. 6 66	1888
State Loan	170,000			66	61	1875 1876	****	Six year bonds of 1865	1,000,000			& July.	4 4	1888 1872
elaware, Lackawan. & Western	1:		'				****	Harrisburg and Lancaster:		-			1	
lst Mort. (L. & W.) for \$900,000.	564,000		Jan. &				98	1st Mortgage, guaranteed	700,000	0 6	Jan.	& July.	y. Philadelphia.	a. 1883
lat Mort. (East. Ext.) \$1,500,000.	1.111,000	0 7	April &	& Oct.	46 66	1875	94	Hartford and New Haven:						
2d Mort. (General) for \$2,600,000	1,633,000		March d			1881	94	1st Mortgage	927,000	00 6	Jan. e	& July.	y. New York.	. 1878
es Moines Valley: 1st Mortgage (on 154 miles)		18	April d	- Oct	New York.	1877		Hartford, Providence and Fishkill: 1st Mort. (R. Island 26.32 m.)	11:	1				
Income Bonds	462,000	0 7	Jan. &	July	4 4 4	1884	****	1st Mort. (R. Island 26.32 m.) 1st Mort. (Connecticut 96.04 m.)	1,574,500			& July.	Hartford.	
etroit and Milwaukee:					1		****	Hempfield:	1					1876
1st Mortgage, convertible	2,500,000	0 7	May &			1875		1st Mortgage	500,000	0 0	Jan.	& July.	Philadelphia	a. 18-
2d Mortgage	. 1,000,000	0 8	44	41	11 11	1884	****	Housatonic:						
1st Mortgage Funded Coupons .	. 628,525	5 7	Jan. &			1875		1st Mortgage	191,000			& July.	y. Bridgeport.	1877
2d Mortgage Funded Coupons Bonds of June 30, 1866, (cond)	377,110	47	May &	4 Nov.		1875		2d Mortgage	96,000				"	1888
etroit, Mon. & Tol. (M.S. & N.I.)	.)	1				1886	****	Houston and Texas Central: Texas State Loan, sinking fund.	432.00	1	Anna	4. Oc	Work	1
1st Mortgage	924,000	0 7	Feb. #	& Aug	New York.	1876		1st Mortgage		0 7	Jan. d	& Oct.	t. New York.	
etroit and Pontiac (Detr. & Mil.)	.):						****	Land Mort. S. F. (\$20,000 p. m.).	1	. 6		#	et "	189
1st Mortgage	250,000		Jan. &					Hudson River:						
21 Mortgageubuque and Sioux City:		1 0	Feb. &	4 Aug.	1 "	1886		1st Mortgage	110,000			& Aug.	g. New York.	
1st Mortgage (1st Division)	300,000	0 7	Jan. &	July	New York.	1883		1st Mortgage	1,936,000		7 66	"	66 66	186
1st Mortgage (construction) Sinking Fund (convertible)	660,000	00 7	7 66	44	66 66	1894	911	2d Mortgage, sinking fund	2,000,000	00 7	June .	& Dec.	C. a a	187
Sinking Fund (convertible)	1,000,000	0 7	May &	c Nov.		1888	****	3d Mortgage	183,000	0 7	May	& Nov.	v. " "	188
ubuque Southwestern:							***	Huntington and Broad Top Mt.:						
1st Mortgage, preferred 2d Mortgage, ordinary	100,000	9 7	Jan. &	July.	New York.	1895		1st Mortgage	416,000	0 7	April	& Oct.	t. Philadelphia	
ast Brandywine & Waynesboro	0:	1			"	1895		2d Mortogoe	367,500	00 7	7 Feb. d	& Aug.	g. "	187
1st Mortgage	168,00	0 7	Feb. 8	4 Aug	Philadelphia.	. 1882		Illinois Central:	1			& Oct	4	189
astern:							1	Construction	3,955,000	10 7	April	& Oct	t. New York.	. 187
State Loan (1st Lien)		0 5	J. A. J	J. & O.	Boston.	'68-'72		Construction	437,500	00 6	6 11	66	44 44	187
2d Mortgage, (convert. sterling). 2d Mortgage, convertible	420,000	00 54	Jan. &	& July.	London.	1872		Redemption	2,560,500	00 6	8 44	44	u u	189
2d Mortgage, convertible 1st Mortgage, (Essex Railroad)		00	Feb. & Jan. &	4 Aug.	Boston.	1874	954	Redemption, sterling	2,424,500	0 0	3* "	4	London.	
Bonds		ne	6 April	4. Oct	6	1876 1885		luinois and Southern Iowa:	300,000	1	web.	- An	1-1-1	
ast Pennsylvania:		1					941	Indianapolis, Cin. and Lafayette:	:	1		& Aug.	g. New York.	188
1st Mortgage, Sinking Fund	574,90	0 7	7 April	& Oct	t. Philadelphia.	a. 1888	1	1st Mortgage (Ind. and Cin.)	500,000	10 7	Jan.	& July	y. New York.	186
ast Tennessee and Georgia:		1	1					Indianapolis and Madison:						
Tennessee Loan (old) Tennessee Loan (1866)		00	Jan. &	& July.	New York.			1st Mortgage	612,000	00 7	May	& Nov.	v. New York.	188
Mortgage (old)	643,000			44	44 44	1898		Jackson, Lansing and Saginaw:						
Mortgage (new)	124,900			64	44 44	1880 1880	****	Jeffersonville (J. M. & I.):	, , , ,	0 8	Jan.	& July	y. New York.	188
Mortgage (new)	* ***					1000		1st Mortgage		1,	Mare	h & Sept		-
Tennessee Loan (old)	1,599,000	10 0	6 Jan. &	& July.	y. New York.	1,888	1.	2d Mortgage		00 7	April	h & Sept	New York.	186
Tennessee Loan (1866)	600,000	00 6	6 "	. "	66 66	1898		Jeffersonville, Madison & Indian.		17	1	a		187
Tennessee endorsed bonds	195,000	00 6		44	44 65	18—	****	1st Mortgage	1,980,000	10 7	April	& Oct	t New York.	190
Edgefield and Kentucky: Tennessee Loan	3 14			Tole	an Wash		1	Louisville Loan (endorsement)	150,000	10 6	4 4	H	" "	188
Tennessee Loan Elmira and Williamsport:	870,00	0 0	6 Jan. &	& July	y. New York.	. 18—		Joliet and Chicago:			1		1 1000	
1st Mortgage	1.050.00	00 1	Ton.	e. Tuly	made delphi	1990		1st Mortgage, guaranteed, B. F.	500,00	0 8	8 Jan. d	& July	y. New York.	K. 187
Plain Bonds	570,000	00 1	Anril	4 Oc	y. Philadelphia.		0.44	Joliet and Northern Indiana:			1			
European and North American:			5 April			1872	60	Junction, Philadelphia:		0	Jan.	& July	y. New York.	188
let Mortgage, S. F., £411,00 0		-		4		18		1st Mortgage, guaranteed	900.0	20	6 April	0		

An Asterick (*) affixed to rate of interest signifies "Payable in Coin."

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98 97

Selection Common	Description of Bonds.	Amount.	Kare		-	Payable.	Due.	Price	Description of Bonds.	Amount.	Rate	When.	Where.	Due.	Price
18 Mortigage of the Coverington & Lentings \$125,000 7			-	W	nen.	Where.	A	1		1.	-	w nen.	w nere.	-	_
3 Mortgage of chases.	entucky Central:	\$198 nnn	7		A.	Now Vouls	1070			#800.000	7	April & Oct	Now York	976	
Market M	2d Mortgage (do.)	844,000					1000 1		2d Mortgage for \$1,300,000	850,000	8	Jan. & July.	4 4 1		**
Mode	3d Mortgage (do.)						200#		Tennessee State Loan			" "			
The content 1,0000 7 1 1 1 1 1 1 1 1 1	eokuk and St. Paul:	400 000		\r.	. 37	37 37 1			Mobile and Girard:	4050 000					
	Income			May 6	NOV.	New York.	200#		1st Mortgage Bonds	\$250,000	0	- a -			••
Town, Bata Leann (605). 130. days. A July. New York. 1959 150. days. A Ju	noxville and Charleston:	100,000	1				1001	***		4 500 000	6*	May & Nov.	London, 1	882	
The content of the	Tenn. State Loan	450,000	6	Jan.	& July.	New York.	1898		1st Mortgage, Sterling		8*	11 11	Mobile. 1	882	
Section of the content of the cont	noxville and Kentucky:								Tennessee Loans.						
Section Sect	Tenn State Loan (old)	1,310,000		Jan.	& July.	New York.	1000		Income of '61, '62, '65 and '67			may & Nov.			13
14. Mortgage, c. 2. Mortgage,	ackawanna and Bloomsburg:	800,000	0				1999		Interest bonds	697,900	8		Mobile.	882	
all Mortgage (Estension) 3 March & Sept. Philadelphis 130	1st Mortgage		7	Jan.	& July	New York.	1875		Montgomery and Eufala:	001,000	0				1
and Mortgages Catalogue	1st Mortgage (Extension)		7	March	& Sent	Philadelphia.	ADOR 1		1st Mortgage, endorsed by Ala	129,000	8	March & Sept.	New York.	1886	
the Effer and Louisville: Mortgage (toe free)	2d Mortgage	*******	7	April	& Oct	66	1880		Montgomery and West Point:			T 6. T.1.	37 37k	AMO	١
184 Mortgage for \$4,000,000 7 Feb. & Arg. Polludelphia Feb.	ake Erie and Louisville:		7	May	& Nov	"	1890		Income Bonds			Jan. & July.			ŀ
shigh and Leckswaman	1st Mortgage for \$1,600,000	500,000	7	Jan	& July	Now York	1902		Mortgage Bonds			44 44		1881	1.
18 Mortgage, 1 10 Nov. 1 1	ehigh and Lackawanna'		'	O tells	a ouij	THEM TOTAL	1000		Morris and Essex:	120,000	1	14.0	lat may new his	feor 3	1
Sample S	1st Mortgage (tax free)	200,000	7	Feb.	& Aug	Philadelphia.	1897	861	1st Mortgage, Sinking Fund					1914	١
Section All	exington and Frankfort:	44.000		_					2d Mortgage	3,000,000	7	Feb. & Aug.		1891	ı
La Mort Cachelangeable for new 1,47,000 May & Nov. Thinkindights 1573 154 Mortgage, 1,48,000 May & Nov. New York. 1833 Thinking Schulyttill 154 Mortgage, 1,48,000 May & Nov. New York. 1833 Thinking Schulyttill 154 Mortgage, 1,48,000 May & Nov. New York. 1830 Thinking Schulyttill 154 Mortgage, 1,48,000 May & Nov.	chigh Valley	44,000	6	Jan.	& July	Lexington.	69-74			1 500 000	10	Ton & July	Now Vork	10	ı
New Mortgages, Free of faxons 1,000,000 6 " " " " " " " " " " " " " " " "		1 437 000		Marr	A. Mon	Dhila dalahta	1070	OF .	1st Mortgage, endorsed by Tenn					18-	ľ
Hish Mannis	New Mortgage, free of taxes		0				1808							18-	١
18. Mortgage, skinking fund	ittle Miami:		U	oune	a Dec		1090	9:5		240,41	10				1
District	1st Mortgage	1,489,000	6	May	& Nov	New York.	1883			2,115,170	8 8	Jan. & July	New York.	'88-'98	اد
April & Oct. Philadelphia, 187	Cincinnati Loan	100,000	6	64	64				Income Bonds (Tenn. and Ala.)	205,00	0 6	April & Oct	Nashville.	1870	1
Section Sect									Nashville and Northwestern:		1		100000000000000000000000000000000000000	100 104	ا
14 Mortgage, 15 Mortgage 1	ong Island	847,500	7	April	& Oct	- Philadelphia.	1877	99					Mew York.	'88-'94 '71-'88	ò
Solution	1st Mortgage	500,000	P	Ton	Ar Inl	Nour Work	1970	05	Va Mortgage	182,00	0			11-00	-
Glen Cove Brauch 150,000 May & Nov.	Hunter's Point Extension	175,000					1800		lat Mortgage Convertible	246,00	0 7	Jan. & July	Bridgeport.	1876	1
Section Collecting Clinch and Lexington Each Mortgage Collecting Collec	Glen Cove Branch	. 150,000							Newark and New York:		1				
June Acting age Section Sect	ouisville, Cincin. and Lexington	:		1			1000		1st Mortgage	. 600,00	0	& -	New York.	18-	4
184 Mortgage, Main Stem	1st Mortgage for \$3,000,000	2,116,000	7	Jan.	& July	New York.	1897	85	New Bedford and Taunton:	994.00	0	Ton 4 T.1	Poster	1004	J
Land Mortgage, Memphis Branch. 15,150,000 3m, & July. 15m,	let Mortgage								1st Mortgage	174,00	0	Jan. & July	Boston.	1881	
1.515,000 27,000 7 37,0	Lonieville Loan	100,000			& July	New York.			New Brunswick and Canada:	1 100 00	0 0	Way & No	London.	1867	
Jan. Bortogage, Main Stein July	ouisville and Nashville:	. 100,000	0	-			1991		Namagatla and Reaver Valley:	1,100,00	0	may at 110	Liondon	200.	
16. Mortgage, Memphis Branch, 16. Mortgage, 16. Mortgage for \$10,000 of \$10	1st Mortgage, Main Stem	1,515,000	7	Jan.	& July	New York	169-177	98	1 at Montgogo for \$150 (NN)	- 1 120 UK	00 7	May & No	. Philadelphia.	1882	
18. Mort-gage, Bactardown Branch 27,500 7 Jan. & July 18. Mort-gage 28,000 7 May & Nov. 18. Mort-gage 28,000 6 May & Nov. 18. Mort-gage 28,000 18. Mort-	1st Mortgage, Memphis Branch	. 267,000				. 66 66			2d Mortgage for \$100,000	. 39,20				1877	
18 Mortgage	1st Mortgage, Bardstown Branc	27,500	7	Jan.	& July	. 66 66	1870		New Haven and Northampton:						
Louisville Loan, Louison Br. 220,000 6 May & Nov. 1898	1st Mort. Lebanon Branch Ext	600,000	7	May	& No	. 44 44	*80-188	92	1st Mortgage	450,00			New Haven.		
Louisville Loan, Leb. Br. Ext. 60,000 6 April & Oct. " " 1863 1863 1860,000 6 Commonly of the more for \$80,000 5 So,000 6 Commonly of the more for \$80,000 5 So,000 6 So,000 6 So,000 5 So,000 6 So,000 5 So,000 6 So,000 5 So,000 6 So,000 5 So,000 5 So,000 6 So,000 5 So,000	Louisville Loan, Main Stem	849,000		Apri	& Oc				1st Mort. (Hamps. & Hampd.)	200,00	30 6	April & Oc	•	1874	
Consolid Lat mort, for \$8 000,000 or	Louisville Loan, Leb. Rr Ext.	600,000				*			New Jersey:	850.00	nn a	Reh. & Au	New York.	'73-'8	ġ.
Section and Hocking Valley 1900 1	Consolid. 1st mort, for \$8 000,00	0		Apri	1 00 00				New London Northern:	000,0	,	, 100. 00 22.0	21011 2012	100	
Labon and Brunswick	ouisville, N. Albany & Chicago	:					1090	30	1st Mortgage			Jan. & Jul	New London	. 1875	
Labon and Brunswick	1st Mort, New Albany & Sale	n 2,235,000	6	-	& -	New York.	18-		1st Mortgage, Extension	370,0	00	March & Sep	t. 46	1885	
McMinnville and Manchester:		100 000		-					N. Orleans, Jackson & Gt. North	0 741 0	00	Ton & Tul	Now Work	1000	
Canalangoy and Broad Mountain: 250,000 San. & July. Philadelphia 1884 Mart. Canalango; and Broad Mountain: 250,000 San. & July. Philadelphia 1884 Mart. Canalango; and Broad Mountain: 250,000 San. & July. Philadelphia 1884 Mart. Canalango; and Broad Mountain: 1,005,000 San. & July. Philadelphia 1884 Mart. Canalango; and Broad Mountain: 1,005,000 San. & July. Philadelphia 1884 Mart. Canalango; and the san. 1,005,000 San. & July.	McMinnville and Manchester:	160,000	7	Jan.	& Jul	New York.	1887		1st Mortgage for \$3,000,000	1,010.0	00	g Jan. & Jui	New York.	1886	
Mahanoy and Broad Mountain: 180	Tenn State Loan	772 000	0	Tom	f. Test	N 37			V Orleans Oncloudes & Gt. Wt.	1,010,0	00	•		1090	
Jat Mortgage 25,000 6 Jan. & July Philladelphia 1884 84,000 184,000	Mahanoy and Broad Mountain:		0	Jan.	ac our	New 1 ork.			1st Mort, construction (80 m.)	1,903,0	00	8 April & Oc	t. New York.	1889	
Alano Central: 1,095,000 Loan. 1,095,000 6 Feb. & Aug. 1,005,000 Loan.	1st Mortgage	250,000	6	Jan.	& Jul	v. Philadelphia	1884		2d Mort. (F.) for \$1,000,000 (80m	40,0	00			1887	
1,00,000 Loan 1,00,000 Coan 1,00,000			1	-		- ammicipant		1	New York Central:						
Sanger Clip	\$1,100,000 Loan	1,095,000					'90-'9	1	Premium Sinking Fund Bond	s. 5,946,6	89			1883	
Marcita and Oliminanti	Bangar City Loan	315,200		June	& De	C. "	'70-'7	1	Funding, Sinking Fund Bonds	76.0	00			1876 1883	
Marietta and Cincinnati: 1st Mortgage	2d Mort. (Penob. & Ken. R. E					60			Bonds for pailroad stocks	592.0				1883	
1st Mortgage, Sterling	Marietta and Cincinnati:	300,000	0	reb.	oc Au	Bangor.	1870	****	Bonds for real estate	162,0				1883	
Mortgage Stering 1,000,000 7 8a 8a Nov. 8a 1896 704 8a 1896		2,368,385	7	Reb.	& An	g. Baltimore	1802	80				various.		var.	
2d Mortgage. Scioto and Hocking Valley. 30,000 7 Scioto American Valley. 30,000 7 Scioto American Valley. 30,000 7 Scioto American Valley. 31,000 7 Scioto American Valley. 32,000 7 Scioto Valley. 32,000 7 Scioto American Valley. 32,000 7 Scioto A	1st Mortgage, Sterling	1,000,000			46				Convertible bonds	210,0	00	7 Feb. & Au	5"1	1876	
Semplis and Charleston: 1,595,500 7 2 25,000 7 2 25,000 7 2 25,000 7 2 25,000 7 2 25,000 7 2 25,000 7 2 25,000 7 2 25,000 7 2 25,000 7 2 25,000 7 2 25,000 7 2 25,000 7 2 2 25,000 7 2 2 2 2 2 2 2 2 2	2d Mortgage	520,000	7		& No				Renewal bonds of 1868	2,900,0	00	6 June & De	C	1887	
Tenn. State Loan	Membis and Charleston	300,000	7	66	64	44	1896		New York and Flushing:	105.0	00		Now Vork	10	
1885 1886	Tenn. State Loan	1 505 500	1	T	A To	NT TT . 1	1000		Now York and Harlam	120,0			A STATE OF THE PARTY OF THE PAR	18-	í
2d Mortgage 1800,000 7 Jan. & July. 2 Jan. & July. 2 Jan. & July. 2 Jan. & July. 3 Jan. & July. 4 Jan. & July.	1st Mortgage, Convertible	1,293,000	0	Jan.	& Jul	y. New York				3,000.0	00	7 May & No	v. New York.	1873	ı
Memphis, Clarkesville & Louisv. Tenn. State Loan 1,582,000 6 Jan. & July. New York. 1890 76 1890	2d Mortgage	1,000,000) 5	Jan	& Jul	V. 4 6			Consolidated mortgage of 1863					1893	
Tenn. State Load	Memphis, Clarkesville & Louis	.:	1	O desta	- ou	3.	1000		New York and New Haven:					100	
Memphis and Little Rock Memphis and Little Rock Mortgage (road and land) Mortgage (road and land) Mortgage (road and land) May & Nov. Mortgage, sterling, convertible Ist Mortgage, dollars, convertible St. Mortgage, S	Tenn. State Loan		0 6	Jan.	& Ju	y. New York	. 1890	76	1st Mortgage		00	6 April & O	t. New York.	1875	
Mortgage (road and land)	Tenn State and Carrent	442.00						1			00	e Rob & A.	Now Vorb	170 1	
1st Mortgage, sterling, convertible 1st Mortgage, sterling, convertible 1st Mortgage, collars, convertible 20,0000 8	Mortgage (road and land)	600,000						1	Improvement Bonds	100.0	000	7 Jan. & Jul	V. 66 107K.	1881	
1st Mortgage, sterling	Michigan Central:		1 8	Maj	or No		1890		Extension Bonds	250.0		6 May & No	V. 44 46	1888	
18t Mortgage, dollars, convertible 14t Mortg	1st Mortgage, sterling	467,489	9 6	Jan.	& Ju	V. London	1872		Norfolk and Petersburg:				1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	100	
18t Mortgage, dollars, convertible 1,777,000 8 293,000 8 231,500 8 4,231,500	1st Mortgage, sterling, convertib	le 500,000	0 8	* Mar	ch & Se	ot. "			1st Mortgage		50	7 Jan. & Jul	y. New York.	'65-"	
April & Oct. 1882	1st Mortgage, dollars, convertil	le 1,777,00	0 8	3 66	6	New York	1869		lat Mortgage	328,6			Monfalls	65-7	
March & South Ind. 1st Mortgage, Sinking Fund. 2683,000 7	Consol Sinking Fund Mortes	1e 293,00	8 0		11 & 0	et.			2d Mortgage for \$500,000	0,0	100	8 "	MOLIOIR'	1869	ı
1st Mortgage, Sinking Fund. 6,04,000 7 2,893,000 7 3	Michigan Southern & North In	4,231,50	0 8	3 "		a a	1882	125	North Eastern	700.0	000	7 March & Ser	t. Charleston.	1869	,
28	1st Mortgage, Sinking Fund	6.094.00	0 ,	Mar	A N	V. Nam Vant	1905	000		145,0	000	7 "	66	1868	
Grand Gran	2d Mortgage	9 602 00	0		- TA	" Mew Tork			Interest Certificates	228,0	086		у. и	1875	
Milmand Centre County: 145,000 6 April & Oct. Philadelphia. 1885 1st Mortgage. (40 miles): 2d Mortgage. (40 miles): (40 miles): 2d Mortgage. (40 miles): (40	Goshen Air Line Mortgage	637,00	0	Feb	. & A		1868		North Missouri:				The second	12.20	
Same	Mifflin and Cantage & Toledo Mo	rt. 924,00			6	66 66			1st Mortgage for \$6,000,000	3,000,0	100	7 Jan. & Ju	y. New York.	1898	j
all Mortgage, (C. & N. W. R. W) 182,000 7 Jan. & July. New York. 1874 2d Mortgage. 2d Mortgage. 274,500 7 April & Oct. 4 6 - & - 274,500 7 7 April & Oct. 4 110,200 7 7 New York. 1891 1898 110,200 7 7 New York. 1891 New York. 1891 184 Mortgage. 110,200 7 7 New York. 1891 New York. 1891 New York. 1891 184 Mortgage. 110,200 7 7 April & Oct. 4 1891 1880 1891 New York. 1893 1895 184 Mortgage. 184 Mortgage. </td <td>lat Mortgago</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>1</td> <td>North Pennsylvania:</td> <td>9 000 0</td> <td>240</td> <td>a Jan & Jul</td> <td>v. Philadelphia</td> <td>1880</td> <td>ĺ</td>	lat Mortgago							1	North Pennsylvania:	9 000 0	240	a Jan & Jul	v. Philadelphia	1880	ĺ
Man Mortgage (" " 10,500 7 June & July New York 1874 1898 110,200 7 June & Dec. " " 1894 1898 110,200 7 June & Dec. " " 1894 1898 110,200 7 June & Dec. " " 1894 1895 1895 110,200 7 June & Dec. " " 1895 1	Milwaukee & Chicago (40 mile	145,00	0	Ap	ril & O	Ct. Philadelphi	a. 1885		Chattel Mortgage		365	0 April & O	t. "	1887	
Milwaukee and Prairie du Chien: 10,500 7 June & Dec. 1898 1898 1898 1898 1898 1898 1898 1898 1898 1898 1898 1898	an mortgage, (C. & N. W. R.)	V) 190 00	0	Tor	A 7.	ly N 37 . 1	1000		2d Mortgage		000		- 4	18-	
Milwaukee and Prairie du Chien 1st Mortgage 110,200 7 390,500	3d Mortgage, ("	10.50			o de To	y. New York			North Shore, S. L.:		1		1 20 19	230	
lat Mortgage. 390,500 7 Jan. & July. New York. 1891 Northern Central: 1st Mortgage, Sinking Fund. 1,500,000 6 J.A. J. & O. Baltimore. 1st Mortgage 1,476,000 7 Jan. & July. New York. 1893 95 3d Mortgage, Sinking Fund. 1,223,000 6 Jan. & July. April & Oct. 4 is. 1884 84 105 3d Mortgage, Sinking Fund. 1,223,000 6 Jan. & July. April & Oct. 4 is. 1884 84 105 3d Mortgage, Sinking Fund. 1,223,000 6 Jan. & July. April & Oct. 4 is. 1884 84 105 Northern New Hampshire: Oct. April & Oct. 4 is. 1884 <th< td=""><td>Milwaukee and Prairie du Chie</td><td>n: 10,00</td><td></td><td>Jul</td><td>oc D</td><td></td><td>1898</td><td>***</td><td>1st Mortgage</td><td> 110,5</td><td>200</td><td>7 - & -</td><td>- New York.</td><td>18-</td><td>ł</td></th<>	Milwaukee and Prairie du Chie	n: 10,00		Jul	oc D		1898	***	1st Mortgage	110,5	200	7 - & -	- New York.	18-	ł
Milwalkee and St. Paul: 1st Mortgage, Sinking Fund. 1,500,000 6 Ja. A. J. & Oct. 2d Mortgage, Sinking Fund. 2,500,000 6 Ja. A. J. & Uly. 2d Mortgage (P. du C.). 3,582,000 8 Jan. & July. 1884 84	let Mortgage		0	7 Jan	de Ju	ly. New York	1801		ar Control:					7	
1st Mort (Iowa and Minn. Div.) 7 Jan. & July. 18 - 941 Northern New Jersey: 145.000 6 April & Oct. Boston. 1st Mortgage \$6,000 per mile 100,000 7 Jan. & July. New York. 1896 18 Northern New Jersey: 1st Mortgage. 300,000 7 Jan. & July. New York. Mississipp Central: 1st Mortgage. North Western Virginia: 300,000 7 Jan. & July. New York.	Milwankee and St. Paul.				00	3 TION TOIL	1001		1st Mortgage, Sinking Fund	1,500,0	000	6 J. A. J. &	Baltimore.	irre	
1st Mort (Iowa and Minn. Div.) 7 Jan. & July. 18 - 941 Northern New Jersey: 145.000 6 April & Oct. Boston. 1st Mortgage \$6,000 per mile 100,000 7 Jan. & July. New York. 1896 18 Northern New Jersey: 1st Mortgage. 300,000 7 Jan. & July. New York. Mississipp Central: 1st Mortgage. North Western Virginia: 300,000 7 Jan. & July. New York.	Mortgage370 miles	5,361,00			. & Ju	ly. New York			2d Mortgage, Sinking Fund	2,500,0	100	6 Jan. & Ju	y. 4	1885	
1st Mort (Iowa and Minn. Div.) 185,000 73 Jan. & July. 18- 941 Northern New Jersey: 145,000 6 April & Oct. Boston. Minnesota Valley: 1st Mortgage \$6,000 per mile. 100,000 7 Jan. & July. New York. 1896 1st Mortgage. 1st Mortgage. 300,000 7 Jan. & July. New York. Mississipp Central: 100,000 7 Jan. & July. New York. 1896 North Western Virginia: 300,000 7 Jan. & July.	lat Mortgage (D. d., C)	1,476,00	10	7 Ap	ril & C	ct. 66 66			3d Mortgage, Sinking Fund	1,223,0	1000	6 April & U	36.	1900	
1st Mort (Iowa and Minn. Div.) 7 Jan. & July. 18 - 941 Northern New Jersey: 145.000 6 April & Oct. Boston. 1st Mortgage \$6,000 per mile 100,000 7 Jan. & July. New York. 1896 18 Northern New Jersey: 1st Mortgage. 300,000 7 Jan. & July. New York. Mississipp Central: 1st Mortgage. North Western Virginia: 300,000 7 Jan. & July. New York.	2d Mortgage (P. du C.)	3,582,00	101	9		66 86	18-	105	Consol. 2d Mort. for \$0,000,000	902,0	300	o our or ou	3.	1900	1
lat Mortgage \$8,000 per mile 100,000 7 Jan. & July. New York. 1896 Northern New Jersey: 300,000 7 Jan. & July. New York. 1896 North Western Virginia: Baltimore.	1st Mort. (Iowa and Minn D	V.) 9 000 00	10	1.3							000	6 April & O	Boston.	1874	ı
list Mortgage 5,000 per mile 100,000 7 Jan. & July. New York. 1896 1st Mortgage North Western Virginia: 1st Mortgage 100,000 7 Jan. & July. New York. 1896 1st Mortgage 1st Mortgage 1st Mortgage 100,000 7 Jan. & July. New York. 1896 1st Mortgage 1st Mortga	Minnesota Valley:	2,000,00	10	7 Jan	. as Ju	ly. a a	18-		Northern New Jersey	4.00	-		20000	7010	1
let Mortrage. North Western Virginia: North Western Virginia:	1st Mortgage \$6,000 per mile.	100.00	100	7 Tor	& T	ly Now W	1000		lat Mortgage	900.	000	7 Jan. & Ju	y. New York	18-	į
1046 nool = 146 nool =			7	(Jar		New York	1896		North Western Virginia:			ere Ru b	Annual Consideration	- 102	
2d Martin 1 10 1 10 1 10 1 10 1 10 1 10 1 10 1	1st Mortgage	1,246,00	00	7 Ma	V & N	ov. New Yor	k. 18-	190	1 at Mortgage			6 - 4 -	- Baltimore.		
1.517.000 g Feb. & Aug. " " 138- 40 2d Mortgage (B. & O. R. R. Co.) 493,000 6 Jan. & July.		1.517.00	00	8 Fel). & A	110. 46 16			2d Mortgage (B. & O. R. R. C	0.) 493,	000	6 Jan. & Ju	y. a	1878	8

An Asterick (*) affixed to rate of interest signifies "Payable in Coin."

Description of Bonds.	Amount.	Rate.	1	nteres	t Payable.	ne.	Price.	Description of Bonds. Amo u S Interest Payable When. Whe		Due.
Description of Donds.	L.Hount.	Ra	W	nen.	Where.	D	Pr	When. When.	e.	Ä
North Carolina: Equipment Bonds of 1857 New Loan for \$800,000	*******	8 8	March "	& Sept	Office, N. Car	1867 1887		Providence, Warren and Bristol: 1st Mortgage		872
Ogdensburg and Lake Champlain 1st Mort. conv. into pref. stock.	985,000		Jan. &	July	Boston.	1870	100	Quincy and Toledo:	ork. 18	890
Equipment Bonds	300,000	8	44	6.	66	'69-'78	8 102	Ist Mortgage, S. F. (68 m.) 1,000,000 7 March & Sept. New 3	ork. 18	888
1st Mortgage, E. Div	2,050,000 850,000		Jan. &	July	New York.	1872 1872	94	2d Mortgage	" 18	888
2d Mortgage, W. Div	750,000 221,500	7	"April	& Oct	4 4	1874 1882		Tom's River Br. 1st Mort 74,800 7 — & — "		8-
Consolidated Mort. for #0,000,000	********	7	Jan. &		*	1898	86	1st Mortgage		882
Old Colony and Newport: Company Bonds	1,458,000			& Oct	Boston.	75-76		2d Mortgage		884
Company Bonds	32,000 1,388,000		March Feb.			1884 1877	86 102	1st Mortgage (R. & S.)	6 18	873 886
Orange, Alexandria & Manassas 1st Mort. (Alex. to Gordonsville)			May &			1873	751	1st Mort. (Troy, Salem & Rutl.) 500,000 7 May & Nov. 4 2d Mortgage (R. & S.) 450,000 7 Jan. & July. 4	at 18	890 80–
1st Mort. (Charlotte to Lynchb.)	1,130,500 573,500	6	Jan. &	July	. 41 41	1875		Richmond and Danville:		
8d Mort. "	83,200	8	May &	& Sept	. Alexandria.	1875 1880	72	Virginia State Loan	. 41	87-7 75-1
Funded Coupons 1st & 2d Mort. Dewego and Rome:			Jan. &			1877	724	4th Mortgage	nd. 18	875 873
1st Mort. guar. by R. W. & O Income	500,000	7	May & Feb. &	Nov.	New York.	1816 1891		Funded Interest 82,100 7 " " N. Y. & Richmend and Fort Wayne:	Rich. '69	19_'
Ist Mortgage			Jan. &	-		'70'80		1st Mortgage, guaranteed	ork. 18	8-
2d Mortgage	375,000	7	May &	Nov.	" "	1885	****	Company Bonds, sterling 57,333 6* Jan. & July. Lond	n. 18	875
Pacific of Mo.: State Loan (20 and 30 years)	7,000,000		Jan. &	July.	New York.	172-189		Company Bonds, dollar 203,576 6	nd. 7	39-' 15-'
Mortgage, construction St. Louis Loan	1,500,000 700,000	6	66	66	St. Louis.	'68-'70 '71-'78	93	Richmond and Petersburg: Company Bonds (coup, & reg.), 130,500 7 June & Dec. N. Y. &		
1st (new) Mortgage for \$7,000,000	*******	6*	Feb. &	Aug.	New York.	1888	975	Company Bonds (coupons) 175,000 7 March & Sept. Philade Roanoke Valley (R. & Dan.):		
1st Mortgage, Sterling	416,000 346,000	7*	April d	k Oet.	London.	1870		1st Mortgage	rk. '60	39_1
1st Mortgage, Sterling 2d Mortgage, Sterling eninsula (C. & N. W.):	1,912,000			Aug.	4	1875 1872		1st Mortgage, convertible, S.F. free 7* Feb. & Aug. N. Y. &	ond. 19	919
1st Mortgage	1,075,000	7	March &	E Sept.	New York.	1898	92	Rome, Watertown & Ogdensb.: 1st Mortgage, Sinking Fund 554,500 7 June & Dec. New Y	rk. 18	391
ennsylvania: 1st Mort.)	4.972.000	6	Jan. &	July.	Philadelphia.	1880	102	2d Mort, (Watertown & Rome). 37,000 7 March & Sept. " Sinking Fund (Watert, & Rome) 731,600 7 " " "	"68 " 18	880
2d Mort. Harrisb. to Pittsb.	2,594,000 2,283,840	6	April d	e · Oct.	66	1875	97	1st Mort. (Potsdam & Watert.). 511,500 7 June & Dec. "	"69	9-
General Mortgage	1,545,000	6	J. A. J	& 0,	Philadelphia.			Rutland and Burlington: 1st Mortgage		863
State lien on whole property Short Bonds and Debentures	6,232,755 3,520,728		Varie	ous.	Harrisburg. Philadelphia.	1890 var.		2d Mortgage		$863 \\ 863$
ensacola and Georgia: 1st Mortgage	1,185,300	7	Jan. &	July.	New York.	18		Sacramento Valley: 1st Mortgage	rk. 18	875
1st Mortgage (Tallahassee R.R.) 2d Mortgage	206,000 255,000	7	66	66	66 66	18- 18-		2d Morigage	isco. 18	381
eoria and Bureau Valley: 1st Mortgage			Jan. &	Tester				1st Mortgage 1,400,000 10 March & Sept. New Y	rk. 18	392
eoria, Pekin and Jacksonville:						18		St. Louis, Alton and Terre Haute: 1st Mortgage (Series A) 1,100,000 7 Jan. & July. New Y		
1st Mortgage for \$1,000,000 etersburg: Coupon Bonds			Jan. &		New York.	1887		2d Mortgage (Series B) 1,100,000 7 April & Oct. 4 2d Mortgage preferred (Series C) 1,400,000 7 Feb. & Aug. 4	4 189	
Coupon Bondshiladelphia and Baltimore Cent.:	66,400	7	Jan. &	July.	Petersburg.	171-172		2d Mortgage Preferred (Series D) 1,400,000 7 May & Nov. 4 2d Mortgage Income (Series E), 1,700,000 7 " " "	" 18	
1st Mortgagehiladelphia and Erie:	575,000	7	Jan. &	July.	Philadelphia.	1876		St. Louis and Iron Mountain:		
1st Mortgage (Sunbury & Erie.)	1,000,000	7	April d		Philadelphia.	1877	97	1st Mortgage for \$4,000,000 3,000,000 7 Feb. & Aug. New Y		
1st Mortgage (General) 2d Mortgage	5,000,000 4,000,000	7	44	61	\$ es	1881 1901	89 ² 89 ²	1st Mortgage (\$15,000 per mile). 2,250,000 7 April & Oct. New Y Equipment Bonds, free	rk. 18	
huadelphia, Germant. & Norist.:	600,000		ш	38		1885		St. Paul and Chicago: 1st Mort. S.F. guar. for \$4,000,000	rk. 190	900
Convertible Loan	116,100	6	Jan. &	July.	Philadelphia.	1882	****	St. Paul and Pacific 1st Division: 1st Mortgage (10 miles) 400,000 8 March & Sept. New Y		
Bonds of 1849 Bonds of 1861	401,600	6	April d	Oct.		1870	961	1st Mort. (70 m.) & 2d M. (10 m.) 700,000 7 Jan. & July. "	4 189	892
Bonds of 1836-43-44-48 and 49	106,000 2,497,800	6	66	66	- 44	1871 1880	96 91	General Mort., stg. for £780,000	n. 18-	3-
Bonds of 1857, convertible Bonds of 1836, Sterling		5*		44 44		1886 1880	944	General Mort., dol. for \$7,000,000 7 " " New Y Salem:	rk. 18-	<u>-</u>
Bonds of 1836, Sterling, conv Bonds of 1868 for renewals	477,500	7* 6	April &	c Oct.	64	172-177 1893	1	1st Mortgage	hia. 18-	<u></u>
Mort. bonds of '68, clear of taxes hiladelphia and Trenton:	•2,255,000	7	i.	66		1893	1058	1st Mortgage 226,900 6 - & - Bosto	18	376
1st Mort. (Camden & Amboy)	200,000	6	May &	Nov.	Philadelphia.	1868		Sandusky and Cincinnati: 1st Mortgage		
hiladelphia, Wilmington & Balt.: Mortgage Loan, convertible Bonds of 1866.	385,000	6	Jan. &	July.		1884		Sandusky, Mansfield and Newark:	" 18-	
Bonds of 1867	1,000,000 945,000	6	April d	Oct.	66	'71-'76 1887	93	1st Mortgage	rk. 18'	
ittsburg and Connellsville: 1st Mort. (Turtle Creek Div.)	400,000	6	Feb. &	Ana		1889	****	Schuylkill Navigation:		
Baltimore Loan (bonds & stock) ittsburg, Ft. Wayne & Chicago:	1,000,000		66	"		1889	****	3d Mortgage 3,980,670 6 Jan. & July. "	188	882
1st Mortgage (Series A) 1st Mortgage (Series B)	875,000 875,000		Jan. &	July.	New York.	1912	1041	Schuylkill and Susquehanna:	187	
1st Mortgage (Series C)	875,000		Feb. & March	Sept.		1912 1912		1st Mortgage	hia. 18-	-
1st Mortgage (Series D)	875,000 875,000	7 7	April &	¿ Oct.	44 64	1912		1st Mortgage	rk. 188	
let Mortgage (Series F)	875,000 860,000	7	June &	Dec.	4 4	1912 1912	****	Convertible registered 128,893 7 — & — Portsme		
2d Mortgage (Series H) 2d Mortgage (Series I)	860,000	7	Feb. &	Aug.	4 4	1912 1912	981	Selma and Meridian: 79,873 & & &		
Od Mortugue (Series K)	860,000	7 7	March d	c Oct.	66 66	1912 1912		2d Mortgage	= :::	
2d Mortgage (Series L) 2d Mortgage (Series M)	860,000 860,000	7	May &	Nov. Dec.	44 41	1912 1912		Selma Rome and Dalton: 1st Mort. (Ala. and Tenn. River) 838,500 7 Jan. & July. New Y	-	
3d Mortgage Bridge (O. & P. R. R.) bonds	2,000,000	7 7	April d	c Oct.	66 66	1912	97	2d Mort. (Ala. and Tenn. River) 241,100 8 " " "	186 4 188	64
ittsburg and Steubenville: 1st Mortgage						1876	****	Shamokin Valley and Pottsville:	-	
2d Mortgage	500,000	77	Feb. &	Aug.	New York.	1881 1881		1st Mortgage	hia. 187	72
ortland and Kennebec:	230,000	6	April &	Oct.	Rogton	200	****	1st Mortgage		
Consolidated Bonds	300,000	6	" a	"		1883 1895		1st Mortgage	" 189	
1st Mortgage, guaranteed	\$11,500	7	Inno &	Dec.	and an area	09-74		1st Mortgage	a. 187	

Figure 1 Section 1 Section 1 Section 2 Section

An Asterick (*) affixed to rate of interest signifies "Payable in Coin."

Description of Bonds.	Amount.	Rate.			Payable.	ne.	Price.	Description of Bonds.	Amount.	Rate.	Interest		Due.	Price.
	,	R	When		Where.	Due	P	7,		R	When.	Where	A	P
hore Line (N. H. & N. L.:) 1st Mortgage, reconstruction	\$55,000	7	March &	Sent	New Haven.	1880		Western Alabama: 1st Mortgage, guar. for \$500,000		7	April & Oct.	New York.	18—	
outh Carolina:	2,612,944			7			****	West Wisconsin:	0.00		Harris and the same of the sam		-	
Sterling Bonds £452,912 Sterling Bonds £59,031	262,366	5*	Jan. &	66	London. Charleston.	'71-'85 '71-'85		1st Mort, Land Grant, stg. conv West Chester and Philadelphia:			Jan. & July.	The state of	1883	1
Domestic Bonds	617,167 595,500		variou	S.	- "	'68-'74 '68-'72		1st Mortgage, convertible 2d Mortgage, registered	400,000 562,000		Jan. & July. April & Oct.		1873 1878	
Domestic Bonds	280,000	7	April &	Oct.	. и	'88-'91		West Jersev:				12	0.1	1
outh Shore: 1st Mortgage	150,000	6	April &	Oct.	Boston.	1880	944	Loan of 1861 for \$1,000,000 Loan of 1865 for \$1,000,000	238,000 780,000	6	March & Sept. Jan. & July.	Philadelphia.	1896	1
1st Mortgage outh Side, Va.: Virginia State Loan	800,000	6	Jan. &	July.	New York.	1987		Western (Boston and Albany).			April & Oct.	London.	'68-'71	
2d Mort., guar. by Petersburg 3d Mort. (for City Point R. R.).	300,000 175,000	6	"	66	Petersburg.	70-75	653	Sterling Loans, £899,900 Dollar Bonds Western Maryland:	936,500		a oct.	Boston.	1875	1
4th Mortgage	314,900	6	64	66	1 66	'65-'68 '70-'72		1st Mortgage	400,000		Jan. & July.	Baltimore.	1890	1
5th Mortgageouth Side, L. I.:	119,000	8	- 44	66	п	'63-'69		1st Mortgage. 1st Mortgage, endorsed by Balt 2d Mort. for \$300,000, end. by B	200,000	6	66 66	"	1890 1890	1
1st Mortgage	750,000	7	March &	Sept.	New York.	1887		20 M. for \$300,000, end. by W. Co.	300,000	6	и и.	"	1890	
outh Western: 1st Mortgageouth West Pacific:	437,000	8	variou	18.	Macon.	175-185		Western Pennsylvania: 1st Mortgage, guaranteed	1,283,600	6	April & Oct.	Philadelphia.	18-	1
outh West Pacific:	2.000,000	7	Jan. &	July.	New York.	1871		1st Mortgage, guaranteed Western Union 1st Mortgage for \$5,000,000	4,000,000		Feb. & Aug.		0.90	
1st Mort. guar. by Atl. & Pacific outhern Minnesota:	000,000			-				Wills Valley:			res, to mag	21011 2012	LE	1
1st Mortgage L. G. for \$1,000,000 pringfield and Columbus:	900,000		Jan. &	-	New York.	1885		1st M. for \$1,000,000 end. by Ala Wilm., Charlotte & Rutherford:		7	&	***************************************	18-	
1st Mortgagetaten Island:	150,000	7	Jan. &	July.	New York.	1871		N. Car. State Loan	2,320,000	6	Jan. & July.	New York.	1897	2 -
1st Mortgage steubenville and Indiana:	200,000	7	Jan. &	July.	New York.	1886		1st Mortgage guar. by State Wilmington and Manchester:		0				1
teubenville and Indiana:	1,500,000	7	Jan. &	July.	Philadelphia.	1870	75	1st Mortgage 2d Mortgage	200,000		June & Dec May & Nov	New York.	1866 1873	
Sullivan:			1		Boston.		-	Income Bonds	. 100,000	7	March & Sept	Wilmington.	1864 1862	1
1st Mortgage		6	Feb. &	Aug.	Boston.	1875 1880		Bonds secured by W. & W. stk Consol. Mortgage for \$2,000,000 Wilmington and Weldon:	75,000	7	Jan. & July May & Nov	New York.	192-102	2
Syracuse, Binghamton and N. Y. 1st Mortgage	1,721,514	7	April &	Oct.		1876		Wilmington and Weldon:	576,888	1	Jan. & July	London.	1881	1
fallahassee:		1	1					1st Mortgage, Sterling	197,777	71	65 66	16	1886	
1st Mortgage					New York.	18—		Sinking Fund Mortgage Winchester and Alabama:	508,000	7	April & Oct	New York.	1896	
1st Mortgage Foledo, Logansport & Burlington	250,500	7	May &	Nov.	Philadelphia	1872	95	Tenn. State Loan	1,098,259	6	Jan. & July	New York.	188-190	8
1st Mortgage	800,000	7	Feb. &	Aug.	New York.	1884	851	Winchester and Potomac: Stg. State Loan	85,333	6	August.	Richmond.		
Toledo, Peoria and Warsaw:	1,600,000	7	June &	Dec	New York.	1894	87	Trust Bonds	. 120,000	7	Jan. & July	Baltimore.	1867	
lat Mortgage (R. Div.) Ist Mortgage (W. Div.) Ist Mortgage (W. Div.) Toledo, Wabash and Western: Ist Mort. (Tol. & Ill., 75 m.). Ist M.(L.Erie, W.& St.L.167 m. 24 Mort. (Tol. & Wabash 75 m. 2d Mort. (Wab. & West. 167 m.	1,800,000				4 101k.	1896	85	1st Mortgage (C. & N. W.)		7	Jan. & July	New York.	18-	1
Ist Mort. (Tol. & Ill., 75 m.)	900,000	7	Feb. &	Aug.	New York.	1890	91	Wrightsville, York & Gettysburg	52,000	7	May & Nov	Baltimore.	1867	1
1st M.(L. Erie, W.& St.L. 167 m.	2,500,000	7	66	6	11 11 11 11	1890		1st Mort. guar. by N. Central . York and Cumberland (N. Cent.):	1			1	1
2d Mort, (Wab. & West. 167 m.	1,000,000	0 7	May &	nov.	66 66	1878 1871	837	1st Mortgage	. 25,00	0 6		. 66	1870 1871	1
			Anell &	Oet	66 66	1883 1871	77	3d Mortgage	. 500,000	0 6		46	1877	
8. F. B. (Tol., W. & W. 499 m. Consol. M. (T., W. & W. 499 m.	1,880,000			& O.		1907	84	Chesapeake and Delaware:			10 10 10	Late Late	1	1
Troy and Boston:	. 300,000	0 7	Jan. &	July.	New York.	1887		1st Mortgage Chesapeake and Ohio:	. 2,254,00	0 7	Jan. & July	. Philadelphia	. 1882	
1st Mortgage	. 300,00	0 7	April &	Oct.	66 66	1885		State (Md.) Loan	. 2,000,00	0 6	J. A. J. & C	. Baltimore.	1870	1
2d Mortgage Convertible Bonds	300,00		May & March &	Sept.		1875 1882		Sterling, guaranteed	. 4,375,00 . 1,699,50		Jan. & July	London. Baltimore.	1890 1885	
Troy Union:		0 0	Jan. &	July	New York.	1873		Delaware Division:	1	1	-	15	. 1878	1
1st Mortgage, guaranteed 2d Mortgage, guaranteed Union and Logansport:	. 180,00			"	" " "	1877		1st Mortgage Delaware and Hudson:					1	
Union and Logansport: 1st Mortgage	. 1,834,00	0 7	June &	Dec.	New York.	1905		1st Mortgage	. 531,00	0 7		New York.	1870 1877	1
1st Mortgage Union Pacific:	1	1	* Jan. &				04	Delaware and Raritan (See Car	n den and	1 2	mboy R. R.)		8.3	1
1st Mortgage, free 24 Mortgage (Gov. subsidy) Union Pacific—Central Branch:	. 25,998,00	0 6		" "	New York.	1897-		Erie of Pennsylvania: 1st Mortgage	. 673,79	8 7	Jan. & July	. Philadelphia	. 1865	
Union Pacific—Central Branch:	1 600 00	0 6	* May &	Nov	New York.	1895		Interest Bonds	. 161,96	0 7	66 66	"	18-	1
1st Mortgage	. 1,600,00	0 6	Jan. &	July	a Tolk.	1895		Ill. State bonds, sterling, coupo	n 767,22	2 6	April & Oc	London.	1870	1
lst Mortgage	6,303,00	0 6	June &	Dec.	New York.	1895		Ill. State bonds, sterling, reg Ill. State bonds, stg. coup. & re	. 500,96 2. 32,70	7 6	* " "	New York.	1870 1870	
2d Mortgage (Gov. subsidy) Vermont Central:	. 6,303,00	0 6	Jan. &	July		1895		Ill. State b'ds, cur., coup. & re- Lehigh Coal and Navigation:	g. 35,40	0 6	Jan. & July	. 44 44	1870	
1st Mortgage	. 3,000,00	0 7	June &	Dec.	Philadelphia		78	1st Loan	384,16		J. A. J. & (. Philadelphia		
2d Mortgage Equip. Loan (Vt.C. & Vt.& Ca Vermont and Massachusetts:	1,500,00	0 7	Jan. & May &			1867 1876	100	2d Loan	. 5,606,12			44	1884 1897	
Vermont and Massachusetts:	2,000,00		1			1		Gold Loan	. 5,000,00	0 6	* June & De	C. "	1897	
lst Mortgage Vermont Valley:	550,00	0	Jan. &	July	Boston.	1883	91	Convertible Loan	1,201,85	0 6			1877	
lst Mortgage	386,00			Oct				1st Mortgage	125,00	0 6	Jan. & Jul	Pitteburg.	1887	
2d Mortgage	293,20			"	Boston. New York.	1860 1859		Morris (and Banking):	- 1. 6. 6.		DER MIN	1 - 1 - 1 1	18-	
Vicksburg and Meridian: Consolidated Mort.—1st class	722,50		Tan &	July	. Philadelphia			1st Mortgage	. 465,50 302,75	0 6		t. Jersey City.	1876 1876	
" 2d class.	850,00	00	or		46	1890		Boat Loan	232,08	7 6		CAL ME	1885	H
a dt class.	1 963 00				**	1890 1890		North Branch: 1st Mortgage	590,00	0 6	May & No	. Philadelphia	1876	П
Funded Coupons	420,00	00		****	. 4			Schuylkill Navigation:		1	125 A 17 I		. 6	
Special Loan						*****		1st Mortgage	3,980,67	0 6	March & Sep Jan. & July	7. 46	1882	
State Loan				July	New York.			Improvement Loan	1,601,67	0 6	May & No	7. 44	1876	
AU MOMOROO	908 50	00	6 4	64	46 46	1872		Md. State Loan, sterling	1,000,00	00 6		London.	1885	
Income and other processed by	18 116,12	25	8 4	44	Richmond.			Coupon Bonds Preferred Interest Bonds	1,250,00	00 6		Baltimore.	1878 1894	
1st Mortgage	404.00			Test			1	Union (Pa.):				Philadelphia	1	
2d Mortgage. 2d Mortgage. 3d Mortgage (Enlarged)	23,50	00	6 4	er.	66 66	1879	64	1st Mortgage West Branch and Susquehanna			1	7. Philadelphia		
		00	6 4	-46	44 44	1884	66	1st Mortgage, sinking fund	750,00	00 6	Jan. & July	Philadelphia	1878	
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lst Mortgage, guaranteed Warren and Franklin:	011,4	1	7 Feb. &	Aug		-		Bonds guar. by. C.R.R. Co., N.	J. 2,000,00	00 3	Jan. & Jul	New York.	1886	
Warwick Valley	1,937,0	00	7 - 4	-	- Philadelphi	a. 18-	82	Bonds guar. by. C.R.R. Co., N. Western Union Telegraph:	ADVEN				9	
lat Mortgage	05	0	w A	- 0-	New York	1000	1	1st Mortgage, convertible Bonds of American Tel. Co	4,857,00	10	May & No	New Tolk	1875	

Dec. 31, 1867/137.6 9.9 9.9 8.1 | 47, 28 | 10 | 780 (Uleveland, Columbus & Cincinnatt., Ohio, 4,047,508 | 443,350 | 1,477,513 | 462,584 | 6,000,000 | 235,000 | 2000,000 |

Holling Stock, Debts, Income, Dividends, &C., &C., &C., &C., theaded "Railroad," A dash (—) across the column signifies "nll," and running dots () signify "not ascertain ca." State-aid Railroads are distinguished by a "f.," operations. Banning. I. John Column Colu	the cost thereof is included, in that headed "Raliroad." A dash (—) acrose the column signifies "nl;" and running dots () signify drant Raliroads are printed in "Ratica." State-aid Raliroads are distinguished by a "";" Abstract of General Balance Sheet.	(*) occurring in the column headed "Rolling Stock" signifies that the cost thereof is included, in that headed "Railroad." A dash (—) across the column signifies "nil," and running dots () signify "not accertain Railroad Abstract of General Balance Sheet. Railroad Rolling Stock.
, Rolling Stock, Debts, theaded "Railroad," A dash () across ca." State-aid Railroads are distinguished by betract of General Balance Sheet,	t the cost thereof is included, in that headed "Railroad." A dash (-) across frant Railroads are printed in "Italies." State-aid Railroads are distinguished by Abstract of General Ralance Sheet.	raifies th
	t the cost thereof is included, in that frant Railroads are printed in "Italic	raifies th

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1	ne mile.	Freight.	Tons. 127,192 256,199 256,199 256,199 256,199 256,199 256,199 257,415 277,415
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T	-	Surplus Income.	401,830 11,546,016 17,548,132 379,340 421,359 421,359 421,359 1,072,994 370,527 370,527 55,590 55,590 55,590 58,831 884,667 491,966 491,966 401,966 401,966
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Balance Sheet.	Liabilities	Bonds.	195,000 195,000 195,000 196,00
		Stocks.	4.188,000 4.1818,000 4.1818,000 4.1818,000 4.1818,000 4.1818,000 4.181,000 4
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An exercic (*) occurring in the column headed "Rolling Stock" signifies that the cost thereof is included in that headed "Ralivada are distinguished by a "s," Land Grant Ralivada are printed in "Ralivada are printed in "Ralivada are distinguished by a "s," RAILROAD SHARE LIST, including Mileage, Rolling Stock, Debts, Income, Dividends, &c., &c.

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Operations	Carried	Passen- gers.	Number.	d Jan. 1, 1	ed by Lou	29,979,623 to Phila. a	19,437,628 7,078,999 ed by Lou		co summi	to Phila. a	ed with C	ed by con	to Louisvi	60,392,623	to West J 35,282,221	2 101 500			6,752,429	879,802	2,601,114	& oper. b	5,355,549	2,999,132	29,430,713	1,217,812
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	ies.	Accounts.	68,880	866,111	35.935	627,251	573,445 4,538	2,160	222,174			650,064	200,400	948	10,649 -	155,000 624,348		236,828 289,438 132,661	15,000	678,154 817,626	in i	42,167	94,010 777,000 37,380	642,107	39,418	147,135
Sheet.	Liabilities	Bonds,	273,296 500.000	200,000	44,000	11	. ,	000		250,000 250,000		4,188,385		968,989	16,796,500 1,3	100,000	250,000	129,000 188,900 00,000		366,801 64,050	00,000	150,000	362,614 430,000 760,000	1,882,600 6	993,625	43,000 1
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RAILROAD SHARE LIST, including Mileage, Rolling Stock, Debts, Income, Dividends, &c., &c. An aderial (*) occurring in the column headed "Rolling Stock" signifies that the cost thereof is included, in that headed "Railroad" A dark (-) across the column I and Grant Railroads are distinguished by a "1,"

line	Value of Shares	Market.	14 8		100 100	9		1000				100		: : : : : : : : : : : : : : : : : : : :	4 82 E888
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2	Liabilities	Bonds.	437,000 150,000 200,000 6,739,000	1,721	5,000 250,000 2,873,000 15,494,000 1,550,000	680,000 310,000 17,600,000	3,200,000	5,500,000 793,200	1,997,693 1,919,550 2,393,382 511,400 85,000	962,600 5,764,520		1,283,600 3,155,400 1, 1,018,000	2,480,982 1,550,240 1,282,665		. I I . bet bed bed
Constat Datation		Stocks.	3,203,900 196,000 660,000 1,988,141 448,700	267,300	1,983,150 576,400 3,765,116 6,700,000 607,111	274,400 30,000 5,000,000		2,860,000 5,000,000 5,000,000	8,353,679 3,497,791 1,547,650 98,650	684,036 8,725,100	1,942,000	822,450 2,707,693 804,150 ruction.)	200,000 1,195,600 1,147,018 1,463,775	213,000 300,000 1,522,500 317,050	1,518,968 8,228,594 1,633,350 2,631,000,000 2,631,000 8,738,800 2,230,000 2,230,000 2,4,797,186 2,200,746 2,200,746 2,200,746
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AND PAGE OF THE PA	Assets.	Assets.	255,380 600,000 2,700	243,679	691,078 52,511 1,604,010	0 0 0 0 0 0 0 0		78,945	759	10,000 5,230,945	to anno	49,660 182,404 420,000 (Und	554,080 667,701 109,900	126,626	2,154,474
1	pue	Rolling Stock.	• • •		255,180 600,700 862,249		***	****	541,814	180,693	*	897,463	***	* 169,613	* * * * * * * * * * * * * * * * * * * *
1	Property	Railroad.	3,802,337 346,000 354,132 8,722,141 448,700	3,182,489	1,962,509 829,995 6,456,556 20,999,000 1,915,095	2,086,640 762,238 525,000 25,000,000	6,000,000 15,000,000 952,732 538,495	3,466,429 8,402,055 1,221,886 9,049,268	5,540,788 7,190,550 2,000,000 172,577	1,390,888 12,692,361 5,000,000	1,025,016	2,876,328 6,065,874 1,259,172	8,414,844 3,414,844 3,058,921	1	8,384,976 10,506,309 2,433,350 6,820,198 6,821,251 1,364,985 2,751,765 2,751,765 4,619,405 8,82,221 2,751,765 8,652,231 2,751,765 8,652,231 8,652,
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CITY PASSENGER RAILROAD SHARE AND BOND LISTS. HORSE PASSENGER RAILROAD SHARE LIST.

				HORSE PASSENGER	RAILR	OAD 8	HARE I	LIST.	- 171					_ 11	PASSENGER RAII	LROAD	BOND	S.	
Years	th of gle track.	s and mies.	rs.	Companies.	t of Road and Equipment.	Capital.	Indebted	lness.	Earnin	on	aj.		due d		Companies.	Amount out-	Pay-	rincipal Payable.	Market Price.
ending.	Length o	Horses a Dummic	Ca	COMPANIES	Coet of I	Share Ca	Bonded Debt.	Floating Debt.	Gross.	Net. Dividend	Capit	Par.	Paid.	Market.	Albany : 1st Mortgage Bleecker St. & Fulton Ferry:	40,000	7 J.& J.		
Sept. 30,'68 Nov. 30,'68	m.	No. 91	No 12	Albany	139,414	\$ 98,900 150,000	\$ 40,000	\$ 5,000	\$ 57,580	Loss. p			\$ 100 100	\$	1st Mortgage	894,000 35,000	7 J.& J. 7 J.& J.		••••
Oct. 31, '68 Dec. 31, '68 Sept. 30,'68	31.00	12 480 401	80	Allentown	72,674 1,747,127	31,500 900,000	29,814 694,000	12,191	6,771 302,566	3,093 - 51,760 -		100	100 100 100		1st Mortgage	80,000	7 J.&D.		
Nov. 30,'68 Sept. 30,'68 Sept. 30,'68	3.53 10.76	162	40	Boston and ChelseaMass. Broadway (Brooklyn)N.Y. B'dway & 7th Av.(N.Y.C.)N.Y.	110,000 277,169	110,000 200,000 2,100,000	35,000	29,097	8,800 115,172 664,652	1,193 11,882	6.8 8.0	100 100	100 100 100		Brooklyn City: 1st Mortgage Brooklyn City & Newtown	300,000	7 J.& J		
ept. 30, 68	8.00 74.00	$\frac{10}{1420}$	291	Brooklyn, Bath & Coney I.N.Y. Brooklyn CityN.Y. Brooklyn City & Newtown N.Y.	156,838	99,850 1,500,000	80,000 300,000 200,000	7,538	24,517	Loss, - 283,938 1	2.0	100 100	100 100 100		1st Mortgage. Brooklyn, Prosp. P.&Flatb. 1st Mortgage.	200,000	7 J.& J 7 M&N		The state of
lept. 30,'68 lept. 30,'68 lept. 30,'68	6.50 4.28 15.21	40	12 30	B'klyn, Prosp. P. & Flatb. N.Y. B'klyn & Rockaway Beach. N.Y. Buffalo streetN.Y.	318,909	254,600 144,600 50,000	45,000 186,000	1,487 2,500 109,500	20,621 99,734	9,021 17,427			100 100 50	••••	Brooklyn & Rockaway B'ch 1st Mortgage Buffalo street:	45,000	7 J.& J		
ept. 30,'68 vov. 30,'68 ept. 30,'68	7.85 28.52 1.76		39	Bushwick (Brooklyn) N.Y. Cambridge (Boston) Mass. Central City (Syracuse) N.Y.	264,982 731,671 29,758	262,200 727,800 21,130	2,000 150,000 6,000	5,040	20,508	72 - 89,058 4,097 -	9.0	100 10	100 100 10		1st Mortgage	186,000	7 J.&D 6 J.& J		100
ept. 30,'68 lec. 31, '68 let. 31, '68	36.00 9.20 7.25	200	149	Cen. P., N.& E.R. (N.Y.C.)N.Y. Cincinnati streetO. Citizens'(10th&11th sts.)(Ph.)Pa.	179,635	1,065,200 192,750	626,000	33,644	512,962 227,369		32.1	100 100 50	100 100 19‡	••••	1st Mortgage sinking fund Central Park, N. & E.River 1st Mortgage. Citizens' (Pittsburg):	626,000	7 J.& J		
oct. 31, '68 occ. 31, '68 lept. 30,'68	6.50 14.83	236	18	Citizens' (Pittsburg)Pa. City Passenger (Cin.)O. Coney Island (Brooklyn) . N.Y.	645,925	500,000	218,000	7,700 19,587	139,864 121,637	Loss.		50 100 100	100 100	****	1st Mortgage Coney Island and Brooklyn 1st Mortgage	218,000	7 J.& J		
Sept. 30, 68 Sept. 30, 68 Oct. 31, 68	22.89 3.50 1.63	792	3	Dry Dock, E.B. & B. (N.Y.C) N.Y. Dunkirk and Fredonia N.Y. Easton and S. EastonPa.	42,605 24,275	26,000	500	2,448	669,174 8,721 10,444	3,443 - 3,732 -		25	25		1st Mortgage Eighth Avenue (N. Y.):	700,000	7 J.& J		
lept. 30, 68 Dec. 31, 68 Sept. 30, 68	8.00	52	9	Eighth Avenue (N.Y.City)N.Y. Fairhaven and WestvillzConn. Fifth Ward (Syracuse)N.Y.	152,917 27,533	1,000,000 $150,000$ $26,170$			6,761	2,468		100 100	100 100 100		1st Mortgage 42d st.& G'd st. Ferry(N.Y.) 1st Mortgage	. 160,000	7 J.& J	1 4	
Sept. 30, 68 Det. 31, 68 Sept. 30, 68	16.37	298	40	42d st. & Gr'd st. F.(N.Y.C.)N.Y. Frankford & Southwark(Ph.)Pa. Genesee & Water st. (Syr.).N.Y.	762,491 54,200	748,000 491,750 42,500	200,000	400	341,781 299,228 8,653	159	5.0	50	100 50		Frankford and Southwark 1st Mortgage	200,000	7 var.	var. J. 1869	
Oct. 31, '68 Oct. 31, '68 Sept. 30,'68	5.40	128	25	Germantown (Phila.)Pa, Girard College (Phila.)Pa, Gr'd st. & Newtown (Bk'n)N.Y.	171,712 200,000	170,000	30,000		322,439 117,342 72,870	25,119 5,321	8.5	50 50 100	15 17 100	30	Germantown: 1st Mortgage Green and Coates (Phila.):		7 J.& J		175.
lept. 31, '68 lept. 30,'68 lept. 30,'68	10.00	125	-	Green and Coates st. (Phila.).Pa Greenpoint & Wmbg.(Bkn)N.Y. Harlm.Br.,Morr. & F'dham.N.Y. Harrisburg CityPa Hartford & Wethersfield .Com.		113,230	130,000		187,103 63,945	Loss.	7.5	100	100		1st Mortgage Grand st. and Newtown: 1st Mortgage.	. 100,000	7 J.& .	-	
Det. 31, '68 Dec. 31, '68 Det. 31, '68	9.00	19	6 78	Harrisourg City	60,120 180,000 472,687)	-	9,272 262,829	Loss. 40,431	_	25 100 50	24 100 50		Harl. Br., Morris'a & Fordh 1st Mortgage Hestony., Mantua & Fairm	. 130,000			1
Dec. 31, '68 Dec. 31, '68 Bept. 30,'68	2.50			Hoboken and Weehawken . N. J. Hudson Av. (Brooklyn)N. Y.	161,535	106,70	74,000	9,272	*******	******	••••	100	100		1st Mortgage	. 165,700			1
Dec. 31, '68 Sept. 30, '68 Oct. 31, '68	3.56	113	3 21	Jersey City & Bergen Point.N.J Kingston and RondoutN.Y Lombard and South st. (Ph.).Pa Lowell HorseMass		75,000 90,000	62.500	10,560	20,971 70,353 29,240	9,702	31	100 25 100	9		Lynn and Boston:	. 62,500		100	1
Nov. 30, 68 Nov. 30, 68 Nov. 30, 68 Nov. 30, 68	3.60	20.	32	Lynn and Boston Mass Malden and Melrose (Btn). Mass Marginal Freight (Boston). Mass	207,587	200,00	50,000	48,048		Loss.		100	100	30	1st Mortgage sinking fun Malden and Melrose: 1st Mortgage, guaranteed Metropolitan (Brooklyn):	50,000 52,600			
Nov. 30, 68 Nov. 30, 68 Sept. 30, 68	3.08 5.11	3	7 6	Medford & Charlest (Btn). Mass Merrimac Valley	27,500	21,00	6,500	12,810				100 100 100 100	100 100		1st Mortgage	. 191,900			3
Nov. 30, 68 Nov. 30, 68 Sept. 30, 68	8 42.86 8 7.45	79 2 25	1 156	Metropolitan (Boston)Mass Middlesex (Boston)Mass Ninth Avenue (N. Y. City) N. Y	1,543,729	1,250,00	91,902	177,164 2 38,917	765,981	135,284 16,659	10.0		100 100		Ninth Avenue (N. Y.): 1st Mortgage Orange and Newark:			PR	-
Nov. 30, 68 Nov. 30, 68 Oct. 31, 68	8 3.39	1 1	7 4	Northampton & Wmburg. Mass North Woburn (Boston) Mass Oakland & E. Liberty (Pbg.). Pa	300,000	300,000	8,000	4,429	13,884 4,174	562 808		100 100 50	100		1st Mort. Broad street 1st Mort. O. & N. R. R 2d Mort. O. & N. R. R	100,000	G TA	T 400/	0
Dec. 31, '6' Dec. 31, '6' Oct. 31, '6'	8 17.4	16	7 28	Orange and NewarkN.J Passenger (Cin.)O Peoples' street (Scranton)Pa	. 682,438	289,55 100,00	380,000		147,327		15.	50 100 100	50 100		1st Mortgage			100	1
Oct. 31, '6' Oct. 31, '6' Oct. 31, '6	8 7.0° 8 5.8°	7 27	1 48	Philadelphia CityPa Philadelphia and DarbyPa	. 446,265 250,419	225,00 160,00	200,000)	250,55° 40,374 87,643	45,270 11,622 16,274	20.	50 20 50	15 20	***	Pittsb., Allegh'y & Manch 1st Mortgage	23,000		100	1
Oct. 31, '6	8 8.2	5 15	0 1:	S Philadelphia & Gray's Ferry.Pa S Pbg., Allegheny & Manchest.Pa Pittsburg and Birmingham.Pa S PortlandMe	108,488	8 124,00 8 82,00 160,30	0 23,000 10,600	16,950	70,700	5 15,798 6 8,481	7.8	50	31 41		Quincy: Plain bonds Ridge Av. and Manayunk	. 66,424			1
Dec. 31, '6 Nov. 30, '6 Oct. 31, '6 Sept. 30, '6	8 5.6 8 8.0 8 10.5	9 5 0 4 0 9	8 13	Quincy (Boston)Mass Ridge Av. & Manayunk(Ph.)Pa Rochester and BrightonN.Y	179,63	120,50 59,00	0 63,300 0 15,000	0 ===	36,11	11,290	=	- 100 - 50 - 100	25 100		1st Mortgage 1st Mortgage Salem and Danvers:	15,000	6 J.&		-
Oct. 31. 16	8 3.9	6	7 9	Salem and DanversMase Schuylkill River (Phila.)Pa Second Avenue (N.Y. City)N.Y	1,452,39	50,00 800,00	0 32,100	$\frac{11,561}{170,962}$	512,66	71,706		- 100 - 50 - 100	100 100		1st Mortgage	700,000	7 J.&		7
Sept. 30, 6 Oct. 81, 6 Oct. 31, 6 Sept. 30, 6	8 8.3	7 60	0 1	6 2d and 3d street (Phila.)Pr 7 17th and 19th street (Phila.)Pr 4 Sixth Avenue (N.Y. City). N.Y	116,91	130,00 7 750,00	0 250,000	- 37,408	79,75	1 177,857 4 11,569 1 140,808	10.	50 50 100	13	***	. 1st Mortgage	. 9.300		J. 1866 J. 1874	8
Nov. 30, 6 Nov. 30, 6 Nov. 30, 6	8 6.4	3 26	5 3	Somerville (Boston) Mass South Boston Mass Stoneham street (Boston). Mass	3. 401,03 3. 39,34	400,00	0	12,047			6. 9½	- 100	100		. 1st Mortgage		7 J.&]		1
Nov. 30, 6 Sept. 30, 6 Sept. 30, 6	8 2.0 8 4.3	8 1	0	- Sub-Urban (Boston) Mas 6 Syracuse and Geddes N. Y 3 Syracuse and Onondaga N. Y	25,97	25,00 0 31,00	0 25,00	0 =	14,38	4 2,199	5.	100 100 100	100		Third Avenue (N. Y.): 1st Mortgage Real estate		7 J.&	J. 187	5
Oct. 31, '6 Sept. 30,'6 Oct. 31, '6	38 7.2 38 18.0	0 14:	0 3 2 18	7 Third Avenue (N. Y. City). N. Y 13th and 15th streets (Phila.). P	1. 179,63 2,745,27	7 1,170,00	0 1,500,00	5,000		6 274,584	12.	100	100		Troy and Lansingburg: 1st Mortgage Union (Boston):		7 A.&	0 187	1
Sept. 30, '6 Sept. 30, '6 Sept. 30, '6	38 12.3 38 4.5	0 4	_	5 Troy and Albra	. 70,00	7 250,00 0 70,00	0 100,00	81,098	154,58	Loss.		- 100 - 100 - 100	100 100	1	Real estate mortgages Utica, Clinton & Bingham. 1st Mortgage	:	6 var	_	1
Nov. 30,76 Sept. 30,76 Sept. 30,76	38 15.5	10	35 2	Union (Boston) Mas Utica, Clinton & Bingham N.Y 6 Van Brunt st. (Brooklyn) . N.Y	305,82 87,00	8 121,40 0 75,00	0 200,00 12,00	0 1,200 0 1,615	80,26 17,92	8 14,148 5 3,201	4	-100 -100 100	100		Watervliet: 1st Mortgage West Hoboken:	1		J. 188 J. 187	
Bept, 30, 1 Dec. 31, 1 Oct. 31, 1	58 15.6 68 5.8 68 13.6	00 10 00 30 50 30	30 7	9 Watervliet (Albany)	1. 100,00 571,05	0 40,00 5 375,00	0 60,00	0 15,000	321,37	4 43,748	10		100 50		1st Mortgage	. 61,000		1	8
Oct. 31, 1 Oct. 31, 1 Nov. 30, 1	BR 4.5	183	14	4 Wilkesbarre and KingstonP. 4 Williamsport	92,33 a, 20.86 s, 62,15	7 15,60	5,00	8,500 0 1,12		5 1,319	-	50 25 100	25		Worcester: 1st Mortgage	1		1 10	

	and of	2.2			WHOLESALE PRICE CURRENT. IRON-Dury: Bars, I conts per lb.; Railroad, 70 cents per 100 lb.; Reillor conts per lb.; Railroad, 70 Actual Sale Prices for the conts.
(Marked with an asterick (*) as thus (†) have equal dividen	s guarantee	d by	lessee stock	s and	Sheet Band Hon and Plate, 15 cents per ib.;
		~~	BLUCK	•)	Pig. 49 per ton; Polished, 3 cents per lb.; Boston, Hartford & Erle Th.3. F.4. Sat. 5. M.7. Tu.8
		1	Div'd	8	Pig Scotch No. 1
COMPANIES.	Amor	ant	-1-	Market Price.	Fig. American, No. 1 (good to best)
	out	-	Rate.	Pr	Pig, American, Forge
	stand	ing.	F P		Bar, Refined English and A.
RAILBOAD STOCKS:			1		Inc hda
Atlantic & Gt. West'n (O. D.,) Atlantic and St. Lawrence* gua		000	7		Bar, Swedes ordinary day of Store Prices, Chicago, Burl & O
			6 6		Bar Farglish and American, Refined @ 92 50 Chi & Gt Restort 112
Berkshire, guaranteed. Blossburg and Corning, guar.	600,	000	7 7	****	Scroll
Boston, Concord and Montreal,	pref. 1,340,		5 5		Uvall and Half-round
		000	6 6	****	Band. 117 50 @ 142 50 ist M. 103 103 101 101 103 101 101 103 101 101
			7	44	Rods, \$\(\) \(
Catawissa,* pref. and guar. Cayuga and Susquehanna,* gua Cedar Rapids & Missouri,* pref.	589,3	110	7 9	764	Hoop
					Sheet Pussis and 125 120k 1196 1194 1194 1194 1194 1194 1194 1194
Central Ohio, preferred	755,0		31/7	****	Sheet, Single D. and T. Common (gold) — 11½ — 13½ Chi., R. I. & Pa. 7s, 1896 88½ 98½ 99 98½ 99 88½ 99 88½ 99 98 99 99 99 99 99 99 99 99 99 99 99
Dhemung, * guar Cheshire, preferred. Chicago and Alton, pref. Chicago, Iowa and Nebraska, * g.	380,0	00 8	6		Malls, American 1001 of the low of the last total and little have 1001 total
hicago and Alton, pref	2,017,8		10	754 1894	
hicago, Iowa and Nebraska,*	uar. 2,600,0	00	. 10		th or under the lars and ingots, valued at 7 cents per
leveland and Mahoning, * guar	20560	87 7	108	991	cents per lb.; over 11 cents, 2½ cents per lb. and 10 per Cley, and Toledo.
		00	34		cents per lb.; over 11 cents, 2½ cents per lb., and 10 per cent. ad val. (Store prices.)
ochecho, referred onnecticut and Passumpsic Riv	177,7	8 00			
prejerred	4 000 44	0 6	6		
umbermed valley, 1st pref	241,90	0 8	8 1	1448 1 1	Shorigh Gormon (0.1 2 d d d d d d d d d d d d d d d d d
elaware. # guaranteed	E04 00		8 .	2	American Catant Ist quality)
ourout of Milwaukee, Threferred	ndi		0.	*** 4	American, Cast, Tool, do. 1056 - 16 Del., Lack. & Western 1172 1184 1184 1184
ubuone and Siony City * profes	1,500,00	0 6		2	American, Spring, do.
		0 7	7		American Machinery do — @ 18 Erie Railway 94
abuque Southwestern, prefstern (N. H.,)* guaranteed		8 7	7 .	013 C	OPPER-Duty: Pig, Bar and Ingot, 2½; old Copper 2 1 M. 7s, 1867
		0 8	8		ing Copper and Vollage Mr. 18, 1819
			5		and 14 inches wide weighing 14 204
mira and Williamsport, guar	500,000	5	15. 1	8	3 cents per lb. 4 M. 78, 1880. 81 82 82 heathing, New 6 M. 78, 1883 82
nu kuaranteed.	F00.000	7	7 8	83 B	oltsper 10. —— (d — 33 II — 31 mort
le, preferred		7	7	* . N	orie Dref. 133 120 100 100
			12	0 8	- 40 @ _ Hudson River
			4 6	41 81	neathing, Yellow Metal. — 22 @ — 23 1 M.7s, 1869 1 M.7s, 1869 2 M. S. F 2 M.
ntingdon & Broad Top Mounta	100 870	-		A	merican Ingot. — — — — — — — — — — — — — — — — — — —
referred	1,500,000	7	31	· T	merican Ingot
kawanna and Bloomshure	300,000	8	8		Dieta - 1 Cr. Bars and Block, 15 per cent ad vol 1 1 1
eds and Farmington,* guar	500,000		5	Ba	Lake Shore (C., P. & A.)112\frac{1}{2} 112\frac{1}{2} 114 112\frac{1}{2} 109 1 \\ \text{Div. bonds.}
ile Schuylkill,* guar iisville, Cincinnati and Lexingto		7	5	E	raits
		9		Pl	ates—Fair to good brands. —Gold. — Currency.— Michigan Central131 131 130 130}
de la	-1 6.586.135	0	9 102	23 []	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
ochester and Lawrence#	4,051,744	6 .	8	22 (Oke Terne 9 20 (9 10 75 M. S and N. T
HIRMI MOHILBER Guaranteed	200 000		9	DI	Charcoal Terne
		10 1	0		ATROLEUM—DUTY: Crude, 20 cents; Refined 40 cents Mariposa Mining Co. 24 94 94
wankee and P. du Chien, 1st pre	1,014,000		8 105	0 6 310	
waukee and St. Paul, preferred.	8,050,892	7 .		3 1 Ke	fined in bond with T of Philip order) - 22 (6 - Inill W. and Mt. Paul 772 80
	3,775,000		8	1	10 test) 89 90 881 871 66.
				Rei	ined, Standard White (in ship'g order). — 29 @ — 30 1st mort 95 95 96 96 96 96 96 96 96 96 96 96 96 96 96
Haven and Northampton* York and Harlem, pref	1,344,000	5		· Kei	ined S W (in mouth and 5 mg of det) (6 - 33 88
		8 8	1000	Na	pths. Refined (80 G co
ensburg and T. Champlein	155,000	8 8	1	. 0	TASS D
th Eastern (S. C.,) preferred ensburg and L. Champlain, prefered and Mississippi, prefered	1,037,000 3,500,000	8 8	106	not	LASS.—Duty: Cylinder or Window Polished Plate, over 10 by 15 inches, 21 cents per se feet level and Essex
rson and Hudson,* guarrson and Ramapo,* guar ia and Bureau Valley,* guar adelphia and Erie.*	630,000	8 8		not	over 16 by 24 inches, 4 cents per 80, 100t; larger and
ia and Bureau Valley.* guar	248,000 . 1,200,000 .	5		and	over 24 by 30 inches, 4 cents per sq. foot; larger and over 24 by 30 inches, 8 cents per sq. foot; above that, not exceeding 24 by 60 inches 30 cents per sq. foot; above that,
adelphia and Erie,*	5,996,700	6		abo	not exceeding 24 by 60 inches, 20 cents per sq. foot; all ve that, 40 cents per sq. foot; on unpoliched Calif.
delphia and Trenton * t green	1,551,800 .	10		inch	wn and Common Window, not exceeding 10 by 15 6s, S.F. 1883 91 91
		6 6		over	les square, 1½; over that, and not over 16 by 24, 2; that, and not over 26 by 30, 2½; all over that, 3 cent b. N. York and Harlem151 150½ 150 150 145
and Sago & Portsmouth guar	202,400	6 6		per	1b. 150 150 150 150 150 150 150 150 150 150
mouth and Concord*	000	6 6		Am	erican Window, 1st od od od od
	350,000	7 7		1 8 h	v 10 to 10 by 12 00 feet. 7 75 62 6 - 1
ester and Geneses Valley*	142,900	7 7		111 h	v 14 to 19 by 19
and professed valley		7 7		1 14 h	V 16 to 16 b. o.
ouis, Alton and T. H., pref	2,040,000	7 7	61		
okin Valley, guar. Okin Valley, guar. Peoria & Warray (W. Fguar.	445,596 576,050	6 6	34	24 D	y 31 to 24 by 38
okin Valley & Pottsville, *guar.	869,450	5 5		30 b	y 36 to 30 by 44
" " (W. D.) pref.	1,300,000			32 b	y 50 to 32 by 56 18 157 157 157 157 157 157 157 157 157 157
Wahash and Wostown Prei.	1,700,000 7	7			A horro
ont and Comeda guar	274,000 7	17	82	Fren	he above subject to a discount of 50@55 per cent.) 25 — @16 — 2 M
on, guar	2,500,000 8	8		-	(Single Min.) and 4th qualities. Onicksilves Min.
Mountains,* guar	1,408,300 7 200,000 5	17		6 by	8 to 8 by 10
a decey sourg, prei.	817,050	. 2			
AL STOCKS:				13 by	14 to 12 by 18
are Division, gnar	1,633,350 8	8		18 by	22 to 18 by 30 Income bds
ikili Navigation	1,175,000 10	10	65	24 by	30 to 24 by 36
, preferred	2,888,997 6	6	88	25 by	36 to 26 by 40(3 qlts.)
General Control of the Control of th			****	20 by	40 to 30 by 48(3 qlts.)
CHI T AWROOM CO.				OU III	
CRLLARBOUS STOCKS: erland Coal, pref				32 by	50 to 32 by 56(3 qlts.)

Littl Mine Morr

Philac Philac Philac

Sehuy

Union
Hestor
Chestn
Green
2d and
Spruce
13th an

Balt and Mariette Norther N. W. V.

				AL	-
New York Sto	ek l	Exch	ange		li Pers
Actual Sale Prices for	the w	eek end	ling J	Tune 9.	
		Sat.5.			W.9
FEDERAL STOCKS :	2.4	20000			
U. S. 5s, 1871, reg					
U. S. 5s, 1871, coup	****				
U. S. 5s, 1874, reg		****			
U. S. 5s, 1874, coup	****			****	***
U. S. 5s, 10-40s, coup109	109}		109	109	109
U. S. 5s, 10-40s, reg	108	****	108	****	108
U. S. 6s, 1881, reg117	117	****	117	117	117
U. S. 6s, 1881, coup122			1217	1214	121
U. S. 68, '81, O.W.L. y		****	****		***
U. S. 6s, 1881, #y			****		***
U. S. 6s, 5-20s, reg. '62	****		117		100
U. S. 6s, 5-20s, c. 1862	122		122	****	122
U. S. 6s, 5-20s, reg. '64	****		1173	1173	117
U. S. 6s, 5-20s, c. 1864.117	117	1171	117	1178	117
U. S. 68, 5-208, reg. '65	1101		1181	117‡ 118‡	118
U. S. 6s, 5-20s, c. 1865.118	118			115	110
U. S. 6s, 5-20s, r. n. 65	119		120	119	119
U. S. 6s, 5-20s, c. n. '65.119\(\frac{1}{4}\) U. S. 6s, 5-20s, reg. '67				ALUG	***
U. S. 6s, 5-20s, reg. 07.1193	119		120	119	119
U. S. 6s, 5-20s, reg. '68				****	***
U. S. 6s, 5-20s, c. '68 1194	119		1194		
U. S. 6s, Pac.R.R.issue107		•	1108		
U. B. 05, I ac. 14.14.15500 1013		****			
		_			
Philadelphia S	tock	Exc	han	ge.	
Actual Sale Prices for	the '	week en	ding .	June 8	
W.2.				. M.7.	
Catawissa	***		****	****	**
preferred 37	38		39	1007	3
Camden and Amboy	128	127			
6s, 1870			****		
66, 1875		00	****		
6s, 1883 884			****	ne i	
6s, 1889			001		
mort. 6s, '89 93		. 93	93	93	

Adda bute I reces for					
W.2.	Th.3.	F.4.	Sat.5.	M.7.	Γu.8
Catawissa			****		****
preferred 37	381	391	39	****	381
Camden and Amboy	128	127		127	127%
68, 1870		****		99	****
6в, 1875	****				
6s, 1883 884		89	****	****	****
68, 1889		****		854	85
mort. 6s, '89 93		931	931	931	****
Elmira & Williamsport	****			****	****
pref				****	
78 92	973	92 36	201	361	364
Lehigh Navigation 374	37‡		361	84	
6s, 1884 84 Gold L 99}	991	991	984	984	981
R. R. L		88	871	88	88
Lehigh Valley R. R 56%	56å	564	56	568	561
68 new coup	92			93	93
6s new reg	93		****	941	941
Little Schuylkill R.R 45		45	45	0.13	45
78		****	****		****
Minehill		****		551	****
Morris Canal					****
pref	****	65			65
6s, 1876	****				
North Pennsylvania				36	****
68, 1880	904		911		
78	****				
10s, 1887					
Northern Central		49	49	49	
Pennsylvania R. R 58	58	574	571	574	578
1st M101}	****	102	102	****	****
2d M					
Penn. State, 6s, 1st series104			104	1044	
6s, 2d series	107		107	107	
6s, 3d series	108				
6s, W. L				102	
Philadelphia City, 6s			931	931	94
new100	100	100	1004	100	100
Philad., Germ. & Nor	****	****	****	****	****
Phila. & Reading 50	494	498	491	494	49
78, 1893	****	****	****	****	****
Philadelphia and Erie 33		338		32	33
68		88	****	****	89
78 89		****	89#		****
Schuylkill Navigation 10	****	****	****		10
pref 204	20	20	201		20,
6s, 1882 70	****	694			69
66, 1876	814	****		****	***
Susa Canal	814	****	****		***
Susq. Canal	****	58		****	***
Union Canal, pref	****		****		***
6a 1979 12	****	****		****	
Hestonville, (Horse)		****			***

Green & Coston		****			***
Green & Coates 39		401			***
2d and 3d streets Spruce and Pine		48		am.	07
		****			27
13th and 15th sts		***	****	****	***

В	alti	more	Sto	ck	Ex	chang		
ctual	Sale	Prices	for	the	week	ending	June	8.

21,000	at sate Frices for	ME DOE	ere em	ung s	une o	
	W.2.	'Th.3.	F. 4.	Sat.5.	M.7.	Tu.8
Baltimore	City 6s, 1875	924		****	921	
**	1886			****		****
**	1890 931	935	931	****		***
D-14 **	1893				****	
Dait and ()hio	120				120
**	bonds, 1875	931	****		934	***
**	1880			****	****	***
M-1	1885			917	917	
marietta d	6 Cin. 1st M	88	89	89		88
	2d M			701		
northern	Central	487	48	49	****	49
* **	bonds, 1885. 88	871		88		
Mr. was **	1900. 85	****		****	85	***
a. W. Va	1st mort		95	****		***
**	2d mort	****		****	****	***
Ou z'	3d mort 90	****		****	****	***
Can Pass	enger R R	****		****		

	Becken	C4 V-	Wan b	
398	Boston	Procw	EXCI	ange.

Actual Sale Prices for	the w	eek end	ling J	une 9.	
Th.3.	F.4.	Sat.5.	M.7.	Tu.8.	W.9
Boston and Albany		159		158	159
Boston and Lowell					134
Boston and Maine142				145	145
Boston and Providence	135				135
Boston, Hartford & Erie 244	24	24	24	24	23
7s, new	651	651	651	65	
Cheshire, pref		741		75	75
Concord	75				
Connecticut River					
Eastern			118	118	
Fitchburg	133				
Manchester & Lawr'ce					130
Michigan Central1293	130	1314	1301	130±	130
Northern, N. H1107	1101	109	110		111
Ogdens. & Lake Champ 66	****	66	65	****	
pref106					
Old Colony & Newport	100%	102	101#	102	102
Ph., Wil. & Baltimore	54%	547	55		54
Portl'd, Saco & Ports110				110	
Vermont & Canada				100	100
Vermont & Mass 60	60				***
Vt.C. & Vt. & C. Eq. 88				1001	
Broadway (Horse)				1009	
Cambridge		997			
Metropolitan		68	672		67
Middlegon		00	017		
Central Mining Co	****		****		
Copper Falls 81	81				
Toma m lalia.		18			
Human	****	-	****		
Tale Devole	****	****			***
37-411		****			
3.0	****		****		
	10		98		
Pewabic		93	- 4		
Pittsburg	****	****	****	****	
Quincy	****		****	****	***

London Stock Exchange.

Mondon Stock Back	range	
	—Closing May 21.	Prices.— May 14.
Atl. & Gt. West. N. Y. sec. 7 per ct.		
	65 - 70	65 - 70
Do. do., 2d mort., 1881	55 - 60	55 - 60
Do. Penn., 1st mort., 1877	60 - 65	60 - 65
Do. do., 2d mort., 1882	55 60	55 - 60
Do. Consol. 7 per cent. mort. 1890	251- 261	241 251
Detroit and Milwaukee 1st mort. 7s	61 - 63	61 - 63
Do. 2d mort. 8 p. c	61 - 64	61 - 64
Erie shares 100 dol. all paid	$19 - 19\frac{1}{2}$	203- 214
Do. sterig. 6 p. c. convertible bonds	65 - 70	67 - 70
Do. 3d mort. 7 p. c. 1883	60 65	60 65
Illinois Central, 6 per cent., 1875		
Do. Redemption mort. bonds 6 p. c.	98 —101	98 - 101
	79 - 81	79 - 81
Do. 100 dol. shares, all paid	94 - 95	96 - 97
Marietta and Cin. R. R. bonds 7 p. c		75 - 80
New York Central, 100 dols. shares		95 —100
Panama General mort. 7s, 1897	103 - 105	103 - 105
Penn. R. R. bonds, 2d mort. 6 per ct		93 - 95
Do. General mort. 6 p. c. 1910		87 - 88
Philadelphia and Erie 1st mort. 1881.		86 - 88
Do. with option to be paid in Phila.	86 - 88	86 - 88

American Railroad Journal.

Saturday, June 12, 1869.

Stock Exchange and Money Market.

In Money, a more active movement has been noted since our last, especially in the line of temporary loans to the stock houses, whose wants have been apparently more urgent but has been generally met with promptness, by lenders, particularly on private account, at the legal rate of seven per cent. The large dealers in the public funds have been amply accommodated at six per ct., as the rule. In discounts, the business has been on a moderate scale, and rates have been quoted at from 7@10 per cent. per annum, on strictly choice to good mercantile paper. The city banks, have been heavy losers, in the deposit and legal tender lines, during the week, the falling off in the former having been nearly four millions; and in the latter over 41/2 millions. The loss has been accounted for by the Treasury sales of Gold in excess of its purchases of 5-20s for the Sinking Fund, and by the free receipts of the week for Internal Taxes, which tell upon the Country Bank balances in New York, without reference to the quarter in which they are originally collected. The specie reserve of the banks showed a gain of 681,439 of coin interest. \$1,179,903. The U.S. Sub Treasury added \$3,- The outstanding amount of coin certificates on

687,164 to its cash balances, closing the week with a reserve of over 791/2 millions, against \$75,891,-046 the preceding Saturday.

The specie reserve of the city banks according to the latest return is \$19,051,133, against \$14,-328,531 same time last year. The city bank deposits are now \$199,124,040, against \$209,-089,655 week ending June 6, 1868. The legal tender reserve amounts to \$53,289,429, against \$68,822,028 same time last year. The circulation now stands at \$33,982,995, against \$24,188,159 same time last year. The loans are now \$275 .-919,609, against \$273,792,367 at this date last year. The Bank Exchanges at the Clearing House through the past week, averaged \$127.713.504 a day, against a daily average of \$130,274,748 the preceding week, and \$131,457,975 the week ending with May 19, 1869. The current week's exchanges average about \$131,906,119 a day. The city banks. last week, reported a gain of \$1,179,903 of specie, with a loss of \$3,931,558 of deposits, aud \$4,520,-944 of legal tender notes. They increased their loans, \$984,148; and their circulation, \$62,130.

The city bank exchanges on Wednesday were \$135,050,646, and the resulting balances, \$3,875,-

National Bank notes to the amount of \$199,820 were issued last week by the Treasury Depart. ment, making the total issue to 1,685 banks thus far, amount to \$315,662,038, against \$282,-555,440 at the close of the fiscal year ending June 30, 1866. From the total issue is to be deducted the currency returned, including worn out notes, amounting to \$15,819,856, leaving, with the existing 1,626 banks, (having an aggregate capital of \$418,858,931,) an actual circulation at this date, of \$299,842,182. The United States bonds held by Treasurer Spinner in trust for National Banks as security for circulating notes amount to \$342.891 .-200; and for the public deposits, \$28,786,850making a total of \$371,677,550. The Treasury Department last week redeemed and destroyed \$390,400 of worn and mutilated fractional currency, and issued \$117,576 of new. The outstanding amount of fractional currency on the 1st of June, was \$33,452,523 against \$35,330,323, on May 1, \$36,719,912 on the 1st of April, \$36,781,548 on March 1, \$35,511,127 on February 1, and \$34,-215,716 on the 1st of January.

The U. S. Sub-Treasury receipts, week ending with June 5, were \$11,051,404, including \$2,187,-147 from customs duties; payments, \$7,364,241, including \$1,041,798 of coin interest; balance at the close of the week, \$79,578,210, against \$75,891,046 at the close of the preceding week. showing an increase of \$3,687,164. The business of the Office during the first two business days of the current week, was as follows: On Monday, receipts, \$1,151,179, including \$319,258 from customs; payments, \$7.49,607, including \$276,918 of coin interest. On Tuesday, receipts, \$2,348,170, including \$351,860 from customs, and payments \$1 821,256, including \$199,455 of coin interest. The balance at the close of business on Tuesday stood at \$80,506,697, against \$78,466,478 a week previous; and \$85,897,063 on May 26, 1869. The aggregate receipts of the office in May were \$53,236,435, including \$10,034,613 from customs, aggregate payments, \$60,202,733, including \$18,-

the 1st of May, was \$16,807,200, against \$21,672,-500, April 1, \$28,775,560, March 1; \$32,659,520 1, 1868, \$85,819,029, against \$72,372,737 same on Feb. 1, and \$27,036,020 on the 1st of Jan., 1869. The Sub-Treasurer at this port issued, last week, coin certificates to the amount of \$2,852,-000, and retired \$1,917,068 through the receipts for customs. The coin certificates issued by the Sub-Treasury office, during May, reached \$10,

Government revenues have been quite liberal, since our last, particularly in the line of excises, which last week, yielded about 71/2 millions; customs at the port of New York, \$2,137,147 and at the outports about \$750,000(in coin) more, making the grand total income for the week equal to abou-\$11,830,500 in currency. The total receipts of the National Treasury, from excises, during the fiscal year ending with June 30, 1868, were \$191,180,564. The receipts from the same source, thus far in the current fiscal year, commencing with July 1, 1868, have been about 147,500,000, according to the latest Washington advices. The customs yielded. same time, about 169 millions in gold.

Gold has been more freely offered and has been depressed and variable in price, on a less confident speculative, and quite limited export, demand. The customs inquiry has been up to a fair average. The range of the price through the week has been from 1373/4@1393/8; and the closing quotation on Wednesday was 1391/4. The award of the million of Government Gold on Monday was made at from 138.63@138.76. The aggregate of the bids was \$5,905,000. The latest dealings showed a more active call for Gold. chiefly from speculative sources, leading to a rally in the price from the lowest figures of the week, to 1391/2@1393/8, during the afternoon of Wednesday. The California steamer on Wednesday delivered \$75,212.

\$424,500. The U. S. Sub-Treasury disbursed 251.367 of coin interest, on that day.

the Gold Exchange Bank, during the past week, average amount of loans and discounts, \$1,501,264; average amount of specie, \$738,262; average amount of deposits, \$1,524,170.

The customs demand for Gold last week, averaged \$356,196 a day; thus far, this week, it has averaged \$337,223 a day, or equal to a weekly aggregate of \$2,223,338. The arrivals of specie from Europe, Havana and other foreign ports, during the week were \$150,380, and since J an. 1, \$8,807,886, against \$3,241,313 same time in 1868. The receipts from California, since our last, have been \$75.212. The total customs revenue of the Government, in coin, at this port, from July 1, 1868, to date was \$117,598,305, against \$107,-445,794 same time in the preceding fiscal year. At San Francisco, from Jan. 1, to May 28th, 1869, \$3,017,414, against \$3,323,323 same time last year.

The total receipts of California gold at this port, since July 1, 1868, have been \$19,156,022, against \$33,843,804 same time in fiscal year 1867 -'68, showing a decrease in the current fiscal year, of \$14,687,878. The exports of specie, from this port, last week, were \$527,242, against \$3,575,-594 same week last year; total, since July 1, 1868, \$35,589,691, against \$69,051,560 in 1867-'68. Government disbursed last week through the U.

terest on the public debt \$1,041,798; since July time in 1867-'68. The specie exports from San Francisco, from Jan. 1, to May 28, 1869, were \$15,970,194, against \$15,623,792 same time in 1868.

Foreign Exchange has been offered less freely, and quoted firmer on a fairly active market, Bankers' prime sixty day bills on London closed on Wednesday at 1091/8@1091/2, and on Paris to 5.22 @5.1614; sight bills on London to 110@11038, and on Paris to 5.161/4c.@5.133/4. The offering of produce bills has been fair this week. The week's exports of domestic produce and miscellaneous goods from this port have been to the currency value of \$3,587,763, against \$2,546,370 same week last year; total, since July 1, 1868, \$157,914,106, against \$170,335,668 same time in preceding fiscal

Government securities have been moderately active during the week, on very limited offerings of the coin bearing obligations, at generally well 27,214. supported prices, though there have been some trifling fluctuations in values, mainly the result of the changes in the Gold quotation. On Wednesday, the market exhibited rather more firmness, on a somewhat livelier inquiry from local and export purchasers. On Wednesday, the offers of U. S. 5 20s to the Sub-Treasury reached an aggregate of \$4,950,000. The accepted proposals for the million advertised for were as follows: Jay Cooke & Co., \$670,000 coupon 1867s at 116.21. \$80,000 coupon 1868s at 116.20, \$100,000 registered 1865s at 116.20; Fisk. & Hatch, \$100,000 coupon 1867s at 116.20; O. A. Dodge, \$50,000 registered, 1868s, at 116.

U. S. sixes of 1881 closed here on Wednesday at 1213/4@122; U. S. Five-twenties of 1862, excoupon, 1225/4@1223/4; U.S. Five twenties of 1864 at 1173/8@1171/2; U. S. Five-twenties of 1865 at The customs of the port on Wednesday yielded 1185/8@11834; U. S. Five-twenties of 1865, consolidated, 1193/4@1197/8; U. S. Five-twenties of 1867, 1193/4@1197/8; U. S. Five-twenties of 1868. The following shows the average business at 1193/4@1197/8; U. S. Ten-forties at 1083/4@109; of the year, compare as follows: U. S. Six per cent. currency bonds, 107@1071/8.

The latest quotations at the London Stock Exchange compare as follows with former return

onene combano ao re	*******	10111101	. Courting.
	May 26.	June 2.	June 9.
Consols	933/4	925%	923/4
U.S. 5-20's of 1862	791/2	801/2	805/8
Erie	19	1914	1834
Ill. Central	9514	96	941/2
At. & Great Western.			25

Railway and miscellaneous share property has been more eagerly pressed for sale at lower and irregular prices, on a less confident speculative demand. Brooklyn loads have been in more request. Messrs. Jay Cooke & Co., corner of Wall and Nassau streets, are now the fiscal agents of Since January 1.....\$106,003,135 \$140,338,004 the city and county for the sale of its bonds. They are offering the Prospect Park seven per cent. bonds at 1001/2, and are marketing them more freely than these bonds have been recently disposed of. This particular loan is a fifty year obligation, bearing interest at the rate of 7 per cent. per annum, payable semi-annually.

Domestic Produce has been moderately active but variable in price. Middling upland cotton closed buoyantly on Wednesday at 311/2@311/2 cts. per lb. The stock of cotton now here is estimated at about 60,000 bales. The receipts at the port this week, have averaged about 1,050 bales a day. 8. Sub-Treasury here, on account of the coin in- The receipts at all the ports, since Sept. 1, 1868, York and New Haven R. R., 139; do., 6s, 95;

have been 2,211,000 bales, against 2,265,000 bales same time in 1867-8; exports, same time 1,361,000 bales, against 1,651,000 bales same time in 1867-'8; stock on hand at latest dates, 153,500 bales, against 131,500 bales same date 1868. Total crops of 1867 -'8, 2,430,893 bales; total receipts at ports year ending Sept. 1, 1868, 2,240,282 bales; total exports thence, same time, 1,657,015 bales. The exports of domestic cotton goods from this port, since Jan. 1, have been 11,481 pkgs., against 10,926 pkgs., same time last year. From Boston, 4,002 pkgs., against 5,721 pkgs. same time in 1868. At the Live Stock markets, this week. Beeves have been in moderate demand, at from 12@161/2c., per lb.; week's receipts, 5,997. Milch cows, dull at from \$40@\$110 each, receipts, 80. Veal calves in less request at from 5@11c. per lb.; receipts, 3,197. Sheep and lambs more active at from 41/2 @8c., per lb., ; receipts, 14,671. Swine in limited demand at from 83/4@93/8c. per lb.,; receipts,

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Foreign merchandise has been in moderate demand and more firmly held. The total imports of foreign dry goods, last week, were \$1,262,530, and the total amount marketed \$1,194,324. The value of foreign merchandise imported last week, was \$4,169,700-making the grand total specie value of last week's imports of dry goods and merchandise, equal to \$5,432,230, against \$4,259,340 same week last year; total since July 1, 1868, \$272,-864,674, against \$226,552,804 in 1867-'8. Ocean freights have been less active and quoted easier. For Liverpool we quote flour at 1s. 3d. by sail, and 1s. 6d.@1s. 9d. by steamer, per bbl.; grain at 5d. by sail, and 51/2d.@6d. by steamer, per bushel; cotton at 1/8d.@352d by sail, and 36d.@ 1/4d. by steamer, per lb.; and heavy goods 10s. @25s. by sail, and 17s. 6d.@35s. by steamer, per ton. Total number of vessels in port on Wednesday, 522.

The New York exports, exclusive of specie, for the week ending June 8, and since the beginning

For the week Prev. reported	1868. \$2,546,370 75,498,590	1869. \$3,587,763 71,594,177
Since January 1		\$75,181,940

The imports for the week ending June 5, and since the beginning of the year, have been as

١	1868. Dry goods\$1,047,219 Gen. merchandise 3,212,121	1869. \$1,262,53 4,169,70	
	Total for the week \$4,259,340 Previously reported101,743,795	\$5,432,230 134,905,77	

The balance in the Sub-Treasury on Wednesday was \$81,702,757 52.

The following quotations of sales of Railway and other securities are in addition to those given elsewhere in our columns :-

New York .- New Jersey Central new bonds, 100; Toledo, Wabash and Western consol. bonds, 84; St. Louis and Iron Mt. 1st mort., 85; Marietta and Cincinnati 1st mort., 89; Mariposa 1st mort., 811/2; New York Central subscription bonds, 87; Peninsular R. R. 1st mort., 76; Mil. and St. Paul 1st mort. Iowa Div., 92; Hannibal and St. Joseph Land Grant bonds, 108; New Jersey R. R., 130;

Loan, 111; Louisiana 6s, Levee bonds, 663/4; do., 8s, Levee bonds, 871/2; Georgia 7s, 97; Ohio 6s, 1881, 102; Alabama 5s, 67; Jersey City W.L., 93; Western Union Telegraph, 393/8; Wilkesbarre Coal, 65; Boston Water Power Co., 62; Brunswick City Land, 81/2; Adams' Exp. Co., 581/4; Wells-Fargo Exp., 301/4; Am. Mer. Union Exp., 3934; U. S. Exp., 66; Mer. Union Exp., 1414; Brevoort oil, 1.70; Central petroleum, 0.66; Consolidated Gregory gold, 3.20; Grass Valley gold, 0.50; Home Company petroleum, 6.25; Phillips Co. oil, 0.25; Quartz Hill Gold, 0.82; Smith and Parmalee gold, 2.80; United petroleum Farm, 0.15; United States, 1.00.

Philadelphia .- Junction R. R. 2d mort., 91; Phila. and Reading 6s, 1844-'80, 91; Oil Creek and Allegheny River R. R., 43; Phila. and Trenton R. B., 127; Phila., Wil. and Balt. R. R., 54; Lehigh Nav. Conv. Loan, 801/2; Morris Canal scrip, 67; Germantown Passenger R. R., 30; Pittsburg 5s, 72; St. Louis W. L., 105; Allegheny Mt. Coal, 6; New Creek Coal, 5/8; McClintock Oil, ½; Niagara oil, 2¼; Feeder Dam, 3/8. The latest quotations are: City 6s, 931/2@94; do., free of tax, 1001/6@1001/4; State 5s, coupon, 93@933/4; do., 6s, W. L., 103@-; do., 1st series, 104@1041/2; do., 2d series, 107@10734; do., 3d series, 108@ 1081/4; Reading, 491/4; 3491/4; do., 7s, 1893, 1051/2 @106; do., 6s, 1880, 90@901/2; Camden and Amboy, 1273/20128; do., mort. 6s, 1889, 93@ 981/4; do., 1883, 881/4@881/2; Penn. R. R., 57 @571/6; do., 1st mort., 101@1021/4; do., 2d mort., %@9634; Little Schuylkill R. R., 4434@45; Morris Canal, 30@40; do., pref., 64@65; do., bonds, -@83; Susquehanna Canal, 13@13¾; do., 64, 57@58; Sch. Nav., 10@12; do., pref., 20@201/4; do., 6s, 1882, 691/4@791/2; Delaware Div. Canal, 49@50; do., bonds, 81@83; Elmira and Williamsport, 30@301/4; do., pref., 40@ 41/2; do., 7s, 1873, 921/4@921/2; do., 5s, 59@60; Lehigh Coal and Navigation, 361/2@365/8; do., 6s, 1884, 83@84; do., R. R., Loan, 87@88; do., Gold Loan, 983/4@99; North Pennsylvania, 86@36; do., 6s, 903/4@91; do., Chattle 10s, 109 @109; Philadelphia and Erie, 323/4@327/8; do., 6s, 88@88½; Minehill, 55@55½; Catawissa, 17@20; do., pref., 381/4@381/2; Lehigh Valley, 56% @565%; do., 6s, new, 94@95; Fifth and Sixth streets, (horse,) 36@37; Second and Third, 481/2@ 49; West Philadelphia,61@611/4; Spruce and Pine, 27@271/2; Green and Coates, 39@40; Chestnut and Walnut, 48@481/4; Thirteenth and Fifteenth, 18@19; Girard College, 28@291/4; Tenth and Eleventh, 71@711/8; Union, 44@-; Hestonville,

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Boston.-Vermont Central 1st mort., 781/4; do., 2d mort., 40; Summit Branch R. R., 221/4; do., 68, 1870, 91; Eastern R. R. 6s, 1874, 95½; do., 1885, 941/4; Cedar Rapids and Missouri River R. R. 7s, 1916, 911/4; Cheshire R. R. 6s, 1880, 92; Union Pacific R. R. 6s, 94; Burlington and Mis-80uri River R. R. 8s, 1879, 1001/2; Ogdensburg and Lake Champlain R. R. 8s, 102; Eastern (N. H.) R.R., 114; Rutland R. R., 32; Conn. and Pass. Rivers R. R. pref., 90; Indianapolis and Cincinnati R. R., 16; Nashua and Lowell R. R., 14014; Marginal Freight Railway, 3014; Boston Water Power Co., 17; Cary Imp., 81/8; Maine 6s, 99%; Massachusetts 5s, 1883, gold, 108; New

Long Island R. R., 50; N. Y. State 7s Bounty | Hampshire 6s, 1884, 991/2; Connecticut 6s, 991/2; Vermont 6s, 1871, 100; St. Louis 6s, 851/2; do., 7s, 95; Cambridge 6s, 1875@1887, 991/2; Charlestown 6s, 1874, 9834; Chicago 7s, 971/2; Boston 6s, 1874, currency, 101; Lynn 5s, 1882, 901/4; Allouez Mining Co., 41/2; Calumet, 55; Hancock, 334; Phœnix, 9; St. Clair, 75c.; Superior, 371/2c-

Baltimore.-Virginia 6s, old, reg., 50%; Maryland 6s, 1883, Defense Loan, 1001/2; Richmond and Danville bonds, 721/6; Western Maryland 2d mort., pref., 51; Orange, Alex. and Manassas 4th mort., 60; Memphis City 6s, 56; Parkersburg R. R., 231/4; George's Creek Coal, 69; Baltimore Copper, 46. The latest quotations are: Balt. and Ohio, 1201/4@1201/2; do., 6s, 1875, 933/4@ 95; do., 1880, 931/2@933/4; do., 1885, 911/2@92; Northern Central, 4924914; do., bonds, 1885, 88@-; do., 1900, 85@86; Parkersburg Branch, 231/4@231/2; N. W. Va. 1st mort., 95@96; do., 2d mort., 91@95; do., 3d mort., 1885, 88@90; do., unguaranteed, 20@-; Marietta and Cincinneti 7s, 1892, 891/20907/8; do., 2d mort., 70@ County 5s, 77; Camden County bonds, 95; Big 701/2; Central Ohio, 31@311/2; do., 1st mort., 83@84; Western Md. 6s, 1890, 69@75; do. guar., 90@95; do., 2d mort., guar., 89@-; Richmond and Danville bonds, 72@721/8; Baltimore 6s, 1875, 92@923/8; do., 1886, 93@93; do., 1890, 931/294; do., 1893, 92@95; do., 5s, 1838-'70, 73@80; City Passenger R.R., 181/2@21; George's Creek Coal, 69@70; Santa Clara, 1.50@200; Atlantic Coal, 3.00@3.25.

Safety on Railroads.

COMPRESSED AIR APPLIED TO BRAKES.

Recent experiments on the Erie Railway have demonstrated the utility of a newly applied power for stopping trains, which secures highly satisfactory results as a preventive of accidents.

The compressed air brake places the entire train under the control of the engineer, who is able to bring his train to a full stop within a distance of six hundred feet while going at the rate of twenty-five miles an hour. The services of brakemen are not required; the engine-driver performs the whole service by a simple manipulation of the mechanism of the atmospheric apparatus. Thus, if the engineer sees, or suspects, danger ahead, instead of "whistling down brakes, and waiting for the guards to "break up" the train, he instantly applies the whole power of the air apparatus on the whole train; and by the same movement the engine itself lends its whole power as a brake, without danger of accident to the machinery.

The element of power is simply pure air, which at the will of the engineer is forced into the cylinders, forming a "cushion," which becomes harder with each revolution, and the retarding force is consequently rapidly multiplied. At the same time, while the power of the engine is exerted to oppose the motion of the train, the air is forced into a special reservoir, and the power applied directly to all the brakes throughout the train, by means of a strong india-rubber tube passing under the cars and fitted with double valves at the couplings, so that any number of the cars may be detached and switched off without disarranging the air apparatus of the cars re-maining attached to the locomotive. The jarring, grating noises of the ordinary method of putting on the brakes are altogether avoided. There is no strain on the "running gear;" the engine-driver is able at will to regulate and modify the force of the brakes; while, as there is no limit to the amount of power which can be devoloped, the length or weight of the train are of no importance.

The feature of this novel invention which will

way managers is the closing of the exhaust into the smoke arch, or pipe, and the opening of a passage by which pure air, unsoiled with ashes or cinders, is admitted into the steam cylinder, thereby preventing excoriations of the pistons and cylinders, and avoiding injury to the machinery, involving expensive repairs.

The new apparatus can be readily adapted to any locomotive. It is at present to be seen in full operation on the Erie road, on the train which leaves daily at 8:45 P. M. for Middletown.

From the Bridgeton (N. J.) Patriot.

Railroad Improvements in New Jersey. Within the past nine years South Jersey has made rapid strides in traveling facilities. In 1860 there were but eight miles of railroad between Camden and Cape May and the towns on the Delaware, while now there is one hundred and sixteen in running order, besides the Marl company's road, and the twelve miles between Woodbury and Swedesboro' already graded for the iron. In addition to the above is the Camden and Atlantic of sixty miles, running from Camden to Atlantic City. The Vineland Railroad now under contract will add fifty-five miles more to this District. This road is being rapidly graded between the junction with the West Jersey Railroad and the Delware Bay, a distance of twelve miles and which will be completed during the Summer. We took a look over that portion of the road under contract to Pratt & Kimble, which extends from Sheppard's mill to the Cohansey and found them pushing the work through vigorously. The section they have has the heavy work of the road, some of the cuts being eighteen feet. There are also a number of bridges, among them one over the canal of the nail works, and over the Cohensey Creek. They have been delayed, owing to the failure of getting the right of way, and much of their work is now in the heavy cuts. We understand that they have given satisfaction to the company, and their work is well done. Their work would have been nearly completed had the right of way been secured early in the winter, but owing to this failure it will be August before their section is finished, and it is expected they will take another section which they will push with dispatch, as they understand their business.

The distance between Vineland and Winslow is also under contract, and will be completed before cold weather. The subscribers to the stock should see that their subscriptions are paid in as they become due, so that those having charge of the work will not have to stop for want of funds. Such improvements add much to the value of property, and as this will make a direct route to New York it will no doubt be a paying road from the time of its completion. Mr. C. K. Landis, President of the road has energy, as is evidenced by the success of Vineland, and he is as vigorously pushing the Vineland and New York Railroad.

Work upon the Air Line Railroad, from Atlanta, Ga. to Anderson Court House, S. C., is being energetically pushed forward, and the present prospect is that before Winter sets in the cars will be running over the first twenty miles of the

By joint resolution of the National Legislature, approved April 10, 1869, the time for the completion of the Portage Lake and Superior ship canal is extended to the third day of March, receive the largest share of the attention of rail. eighteen hundred and seventy-one.

From Herapath's Railway Journal. Railway Economy:--The Locomotive.

The cost of locomotive power forms a very important item in railway expenditure. taken on an average at about double that of main taining the permanent way on the same line, although this proportion will vary greatly according to circumstances; and as it forms so considerable an item in the accounts, it offers a proportionate field for the exercise of economy. The aggregate field for the exercise of economy. The aggreexpenditure may be divided under two heads embracing the cost of generating the power to draw the trains, and the other the cost of keeping the machine for generating and applying that power in working order. It offers a more intri-cate field for investigation than that of the permament way, for this simply involves the question of providing the best and most economical means for supporting the rolling load, in fact an appar-atus only required to exercise the passive qualities of support and resistance to the wear and tear imposed on it by the active power of the engine but the locomotive engine itself is a complicated machine, and its construction in such a manner as to develop economical working requires a large amount of practical experience, technical and sci entific attainments of a high order, embracing a considerable knowledge of chemistry, together with mechanical and philosophical engineering.

Notwithstanding the great advance being made by mechanical engineers generally in philosophical knowledge, it is astonishing how far from perfection are their productions generally when chemical operations form part of the means used to mechanical results, and how greatly the actual effect produced falls short of the theoretical. This would indicate that pure mechanical science had arrived at a much more advanced stage of development than the sister science chemical philosophy; for instance, a good mechanical engineer having a given amount of mechanical power at his disposal, derived (say) from a fall of water, a steam engine, or other source, will utilize that power in any way desired by transferring it with the aid of mechanical appliances in such a perfect manner that a very small percentage of it will be lost; but place at his disposal a pound of coal which is known to contain within itself a certain amount of power, and ask him to utilize it in the most economical manner he is acquainted with, and it will be found that the utmost he can do will be to obtain about one tenth of the theoretical duty, the remaining nine-tenths being

lost or dissipated. That such is the case is known to those who have investigated the subject, and that it is capa-ble of proof is fully admitted. It has been ascer-tained by careful labratory experiments that 1 lb. of carbon will convert about 12 lbs. of water into into high pressure steam, and it can also be conclusively demonstrated that if that steam be applied in a theoretically perfect manner it will raise in round numbers 10,000,000 lbs. one foot high, but the average duty done by the best Cornish pumping engines is only about 1,000,000 lbs, raised one foot, or about one-tenth of the full theoretic. al duty, and these are the most economical engines But when we descend in the scale we and a much more marked discrepancy; the next engine in rank to the Cornish engine in economicworking is the double cylinder, or Wolfe engine, the duty of which in its most improved form, and aided by the mechanical perfection in the work ing parts which can now be attained, may taken at about 750,000 foot pounds. The next in order, the improved form of double-acting Boulton and Watt engine, will barely accomplish 500, 000 foot pounds, while high pressure non-conduct-ing engines, which class includes the locomotive engine, seldom reach 300,000 foot pounds of duty.

Now when it is known that the same pound of coal or coke which is burnt in the furnace of a locomotive boiler is really capable of performing a duty of 10,000,000 foot pounds, if the means em ployed for its utilization are in perfect accordance with theoretical deductions, it appears almost in-credible that the mechanical appliances for converting the pound of coal into power should be

so deficient, and that in the case of the locomotive engine, are and even in the best type of lo-comotive, less than one-thirtieth of that power is utilized in drawing the trains, and that the remaining twenty-nine parts cannot be accounted This is a matter which deserves grave con-ation. It is not only a question for the railsideration. way Shareholder to con over in relation to the amount of his dividend, but as the same thing goes on to a more or less extent wherever coal is sumed, it is a question of the highest national im-Nature in her beneficence has buried in portance. the soil of this country an almost illimitable quan-tity of power in the shape of that valuable mineral coal. It is known and admitted that the wonderful prosperity to which Great Britain has attained is in a chief measure derived from this scource, in supplying the power requisite to develope her numerous manufactures, drive her steam ships, and drag her railway trains, and yet this power is being wasted as a prodigal wastes his substance, and with the same indifference as to the future. But is such a course wise, is it consistent with the practical notions which, as a rule, actuate men in this practical country? It would seem as if the general notion with respect to our coal fields is of such an indefinite character as to impart the idea, from their great extent, of their being inexhaustible, but such an idea requires but a moment's consideration to expose its absurdity: granted that our coal-fields are extensive, the impression made on them is only beginning to become apparent, yet extensive though they be, finite they are, and when anything finite is drawn upon unceasingly and at an increasing rate probably as the square of the time, the end will surely arrive, and that probably much sooner than expected. Knowing, then, how greatly the prosperity, nay, perhaps, even the existence of this country as a first-rate power is dependent on our coal, does not the matter deserve our serious attention? ought we to be satisfied in dissipating this mine of wealth and prosperity with which na-ture has so bountifully provided us, and detroy ing twenty or thirty pounds of this valuable mineral only to obtain the effect of one? " Mais revenous a nos moutons"-let us return to our locomo-

When the Liverpool and Manchester Railway first commenced working, the amount of coke consumed in drawing one ton a distance of one mile was found to be about '7lb., but now on the London and South Western Railway, where Mr. Beattie's improved coal burning engines, fitted with his feed-water heating apparatus, are employed, the same duty is accomplished with an expenditure of about '2'b, of coal. We quote these engines as being, we believe, the most economical of all the improved varieties lately introduced, although those of several leading locomotive engi neers approach them closely; and yet a careful estimate of the work even they perform only gives a duty of under 300,000 foot pounds for one pound of coal, notwithstanding their consumption is less than one-third of the first engines used on the Liverpool and Manchester Railway. Here, then Here, then we have extraordinary progress, and at the same time a result still a long way off from theoretical perfection. It will therefore form a most interest-ing enquiry to ascertain how this great advance been obtained, and by what means a still nearer approach to perfection can be brought about.

We have before stated that 1 lb. of carbon is ca pable of converting about 12 lbs. of water into steam, and that if the steam so obtained be employed in a theoretically perfect manner it will 10,000,000 lbs. 1 foot high. Now, if we compare these two standards of duty with the actual evaporation obtained in the locomotive engine the amount of work done respectively, we we shall be able to determine under which head the greatest loss occurs. The evaporative power of locomotive boilers as at present made may be taken on an average at from 9 bs. to 91 bs. of water per 11b. of coal or coke, which thus amounts to about three-fourths of the theoretical effect, so that of the 29 out of the 30 parts of the theoretical duty lost only about 7 parts, or one-fourth, in the coal is about one-fourth that of the carbon,

can be attributed to defective combustion or imperfection in the mechanical means employed in transferring the heat resulting therefrom to the water and converting it into steam, the remaining 22 parts being lost in applying the steam after it has been generated, or in converting that steam into power, that is to say the loss in using the steam is about three times as great as the loss in producing it,

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It is therefore evident that there is a larger scope for the exercise of economy in the locomotive in introducing improved means of using and preventing waste of the steam than in the apparatus for producing it; and this also accords with the past history of the locomotive engine, as it is mainly in the construction of the boiler and in the means introduced for burning coal, heating the feed water, &c., that the chief improvements have been made, and it appears to be generally admitted that there is not now room for much greater improvement in this direction.

When we compare the amount of work done by given quantity of coal in the modern coal burning engine with the duty of the early coke burning engines, and find that in them 1 lb. of good coal now does more than three times the work formerly obtained from 1 lb. of coke, we must admit that very satisfactory progress has been made; and this has been brought about by the able and scientific manner in which the subject has been investigated by our leading locomotive engineers, and the increased amount of chemical and philosophical knowledge they have brought to bear in

connection with their practical mechanical skill.

Whatever might have been the precise reasons that led the first inventors of the locomotive engine to adopt coke as fuel, it was at that time undoubtedly a judicious selection. No doubt its free dom from smoke had much to do with it, and a notion seemed to prevail in the earlier days that a given weight of good oven coke would evaporate not only a greater quantity of water than the same weight of coal, but even more than the coal from which it was originally produced, and that this was an error has only of late years been demonstrated; but there was one other quality that gave coke the preference over coal for a locomotive boiler which might have had its influence, viz., the much less quantity of oxygen carbon requires than hydrogen to effect perfect combustion.

It has now, however, been satisfactorily ascertained that good coal, if perfectly consumed, will evaporate as much as and even more than an equal weight of oven coke, and consequently as much more than the coke produced from it as is represented by the loss in conversion. That this fact should have remained in doubt so long seems strange, for the very operation of converting the coal into coke evolves a large amount of heat which is lost in the process, and it is clear that if this heat were utilised the total effect produced from it and the coke combined must be more than from the coke alone. This view of the case has no doubt led to the introduction of coal in place of coke as a fuel in locomotives, and means have been devised to increase the supply of oxygen and to maintain the gaseous products of the coal at a sufficiently high temperature to ensure their perfect combustion.

Carbon, or coke which is nearly pure carbon, requires 2.66 times its weight of oxygen, or 1 lb. will require about 138 cubic feet of atmospheric air at 60° to effect perfect combustion, but hydrogen, the most valuable product of the bituminous portion of the coal, requires no less than eight times its weight of oxygen to burn it; but then the quantity of hydrogen contained in coal of average quality does not amount to more than about one-twentieth of the carbon, so that the total quantity of air required for the perfect combustion of 1 lb. of coal is about 150 cubic feet, or only 12 cubic feet more than required for the com bustion of the same weight of coke, but the amount of heat generated from the combustion of the hydrogen is about five times as great as that from the same weight of carbon, so that the actual amount of heat derived from the hydrogen, although the quantity of carbon is twenty times

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omthe n of that acgen, This will show what a wasteful error has been committed in dissipating the hydrogen, which possesses five times the heat producing powers of the carbon, in order to convert the coal into coke before using it; and what a mistaken notion it is to suppose that the employment of coal in place of coke necessitates a very much larger supply of oxygen; this is not the difficulty that has had to be overcome, the real difficulty lies in the fact that coal is a compound substance, whose component parts have different affinities for oxygen, and that the bituminous portion will distil off into rapor at a less heat than is necessary to effect combustion, whereas coke is a simple substance, which can only be converted into gas at a heat sufficient to burn it when in contact with oxygen; with coke, therefore, it is only necessary to ignite in the fire box and supply the requisite quantity of air to obtain perfect combustion, but with coal other means have to be resorted to in order to raise the volatile ingredients up to a sufficiently high temperature, and bring them in contact with the requisite supply of oxygen to effect their combustion before they can escape.

combustion before they can escape.

It is to effect these objects that the ingenuity, chemical and philosophical knowledge of our locomotive engineers have been taxed in no slight degree, and a large amount of success has attended their efforts. There are now many plans in operation differing much in the details of their construction, but all aiming at carrying out these principles, and by which a large saving in the consumption of fuel has been effected, the expenditure per ton mile having during the last thirty years been reduced from about '7 lb. of coke to from '23 to '30 lb. of coal, while a still further reduction of about 15 per cent. more has been effected by heating the feed-water, which in Mr. Beattie's engines brings the consumption down to about '2 lb. of coal per ton mile; but even this, as before stated, falls short of theoretical perfection by nearly 25 per cent., so that in this field there is still some room for further improvement, and we cannot yet say that even the most perfect coal-burning engines are entirely free from smoke; and the worst feature in them is that the smoking generally occurs while the engine is at rest at the statiops, which is no doubt owing to the supply of air being less than when the engine is at work and the blast is drawing the air into the furnace, but this nuisance is certainly diminishing, and no doubt further improvements combined with good stoking will eventually cure it.

stoking will eventually cure it.

We cannot, however, look forward in future years to as great an advance in the economical production of steam as we have seen accomplished during the last thirty, as that would go beyond the theoretical effect, and therefore if further important economy is to be obtained we must search for it in improving the means of using the steam. Here is a mine open to us which has scarcely yet been touched, nearly 75 per cent. at present lost, and this capable of being regained, perhaps not wholly but certainly to a large extent, if proper means are employed; but we must reserve the examination of the causes of this loss and the principle upon which the remedy should be applied for a future article.

The State Treasurer of North Carolina has delivered to H. S. Cowan, Esq., President of the Wilmington, Charlotte and Rutherford Railroad Company, \$1,000,000 of North Carolina State bonds for that road. Mr. Cowan will call a stockholders' meeting on the 28th of July next, to elect officers of the road.

The Raritan and Delaware Bay Railroad is being put in order, so that through trains to Philadelphia can be run. This will be a great accommodation to many localities between Manchester and Philadelphia. New rails are to be laid on the road beyond Manchester.

1	A. A.	Statemen					869.	DEAD THE
1	Authorizing	Character of		Amount	When Rede	emable or	Accrued	When
	Acts. June 14, 1858	Issue. Bonds, 1874	Rate. O	utstanding. 20,000,000 A	Paya	able. om Jan. 1, 185	Interest.	Payable. Jan. and July.
	June 14, 1858 June 22, 1860 Feb. 8, 1861 March 2,1861	Bonds, 1874 Bonds, 1871 Bonds, 1881	5 per ct.	7.022.000 A	fter 10 yrs. fr	om Jan. 1, 186	1 146,292	Jan. and July.
1	March 2,1861	Bonds, 1881 Oregon War, 1881	6 per ct.	18,415,000 A	years from J	1880 July 1, 1861	23,020	Jan. and July. Jan. and July.
	July 17, and	AND THE LAND STORY	7 100		At pleasure	of Gov't after		COLUMN TO PETER
ш		Bonds, 1881	100	189,317,400	Redeemable	n June 80, 186. after 5 & pay	4,732,935	Jan. and July.
	Feb. 25, 1862 March 3,1863	Bonds, 5-20s Bonds, 1881		75,000,000	able 20 yrs.	after 5 & pay fr. May, 1, '62 1881	. 2,573,858 . 1,875,000	May and Nov. Jan. and July.
1			6 per ct.	75,000,000 A	Redeemable	after 10 & pay fr. Nov. 1, '64	. 1,010,000	7774 2 17 3100 0
1	March 3,1864	Bonds, 10-40s	6 per ct. 1	94,567,300	able 40 yrs.	fr. Nov. 1, '64 after 5 & pay	2,432,091	Mar. and Sept.
ı	March 3,1864	Bonds, 5-20s	6 per ct.	3,882,500	able 20 yrs.	fr. Nov. 1, '64	. 19,413	May and Nov.
1	June 30, 1864	Bonds, 5-20s	6 per ct. 1	25,561,300	able 20 yrs.	after 5 & pay fr. Nov. 1, '64	. 627,806	May and Nov.
ı	March 3,1865	Bonds, 5-20s	6 now at 6	03,327,250	Redeemable	after 5 & pay fr. Nov. 1, '65		May and Nov.
1				3	Redeemable	after 5 & pay	•	
١	March 3,1865	Bonds, 5-20s	6 per ct. 3	32,998,950	able 20 yrs. Redeemable	fr. July, 1, '65	8,324,974	Jan. and July.
١	March 3,1865	Bonds, 5-20s	6 per ct. 8	79,534,450	able 20 yrs.	fr. July 1, 67	9,488,361	Jan. and July.
ı	March 3,1865	Bonds, 5-20s	6 per ct.	42,539,350	able 20 yrs.	fr. July 1, 67 after 5 & pay fr. July 1, 68.	. 1,063,484	Jan. and July.
١		ebt bearing coin inter	_					1, 11
l		de May 1, 1869, and n					\$33,201,517 . 5,860,486	1.43
ı								of language of the
1	Less amount p	aid in advance					585,441	Terror of Courts
1	-	rued interest			Tark.		\$38,476,562	1 to 180
١					IN LAWFUL	MONEY.	Autorit wall	1 1 1 1 1 1 1 1
1	Authorizing	Character of Issue.		Amount or	it- When I	Redeemable	Accred Int.	When
1	Acts. March 2, 1867	Character of Issue.	Rate	standing.	or	Payable.	Est. 8 mos.	Payable. Annually or on
1	and July 2, 1868	Certificates	2 per e	t. 959 078 00	0 On doman	d	\$1.061.500	Redemption of Certificates.
l			•		Interest of	nly applicable		January and
1	July 23, 1868.	Navy pension fun	d 3 per c	t. 14,000,00	to paymen	t of pensions.	175,000	July.
-	Total del	ot bearing currency in				ed interest	.\$1,236,500	THE PERSON NAMED IN
1	Authorizing	1	MATURED DI	EBT NOT PRES	Amount	AYMENT.		1
-	Acts.	Character of Is		Rate.	Outstandin	g. M	atured.	Accrued
-	April 15, 1842 Jan. 28, 1847	Bonds		6 per ct	\$6,000 36,250	Dec. 31, 1862 Dec. 31, 1862	atured.	*** \$360
1	Jan. 28, 1847 Mar. 31, 1848.	Bonds		6 per ct	89,850	July 1, 1868		9 mos. 4,045
Į	Sept. 9, 1850	Randa Tayas inda	manits?	5 per ct — to 6 p. ct	. 242,000	Dec. 31, 1864	ates	12,100
-	Prior to 1857. Dec. 23, 1857.	Treasury Notes Treasury Notes Treasury Notes Treasury Notes, 3 Treasury Notes, 1	********	5 to 51 p. ct	2,400	March 1, 18	59	190
1	March 2, 1861 July 17, 1867	Treasury Notes	vears	6 per ct 7 3-10 p. ct.	3,300	April and M	ay, 1863 Oct. 1, 1864	2,55
-	March 3, 1863. March 3, 1863.	Treasury Notes, 1	and 2 yrs.	5 per ct	. 340,492	Jan. 7 to Ap	ril 1, 1866	17,02
1	Mar. 3, 1863, &	Certificates of inde	eotedness	6 per ct	. 12,000	June 10, 18	es in 1866 67, and Oct.	16.
ł	June 30, '64.	Compound Interest Temporary Loan		6 per ct 4, 5 & 6 p. c	. 2,956,350 . 186,610	1868	***********	573,532
1	June 30, 1864 June 30, '64, &					Aug. 15, 18	67, and July	15,
١	March 3, '65.	Treasury Notes, 3	years	7 3 10 per ct	1,507,100	1868	••••••	102,718
١	Total ma	tured debt				Accrued in	nterest	\$726,340
I		Authorising Asta	DE	BT BEARING	NO INTEREST.	ton of Tonna		201 812
1	July 17, 1861, 1	Authorizing Acts. Feb. 12, 1862 1, 1862, March 3, 1863	*********	Den	and notes			Amount Outst'g
-	Feb. 25, July 1	1, 1862, March 3, 1863	*********	Unit	ed States lega	d tender notes.		355 9 6 496
-	March 3, 1863,	June 30, 1864		Frae	tional currence	y ld deposited	***********	33,452,82
	March 3, 1863 .	****************		··· Certi	ficates for go	ld deposited	•••••	23,340,720
1	Aggregat	e of debt bearing no	interest outs	standing				\$412,852,287
-	Total daht voi	neinal outstanding		RECAPITU	LATION.	1		CONTRACTOR OF THE
1	Interest accrue	ncipal outstanding d \$41,024,843 06, less	amount of i	nterest paid i	n advance \$58	5,441	************	\$2,593,231,251 04 40,439,402 04
					- XXXXXXXXXXX			
1		acipal and interest	A	MOUNT IN THE	E TRRASTRY.	MA - 101		\$2,633,670,653 16
-	Coin belonging	to the Government ed by gold certificate					\$81,839,469 40	16.8
	Coin represent	ea by gold certificate	or deposit			************	23,340,720 00 19,984,555 07	and old if the
1	Sinking fund in	n bonds bearing coin	interest and	accrued inte	rest thereon		3,093,295 42	
1		on Junicial Co.	Carlo de la		22303			128,258,889 9
	Amount	of public debt, less c	ash in the T	reasury				\$2,505,412,618 1
1	Decrease of	Public Debt during p	THE PAGE	C BATT POAT	; decrease at	March 1, 1	509, \$20,050,646	89.
1	- +	BONDS ISSUED TO	and PAULF	- BAILKUAD	Amount	TABLE IN LA	Accru	
	Acts.	Bonds		Rate.	Outstanding.	Payable A 80 years, for rious date	fter. Interes	Payable.
-	July 2, 1864.	Union Pacific (ompany	. 6 per ct.	\$25,998,000	rious date	om va- s \$600,9	10 Jan. 1 and
	July 1, 1862, an July 2, 1864. July 1, 1862, ar July 2, 1864. July 1, 1862, ar July 2, 1864. July 1, 1862, ar July 2, 1864.	Union Pacific,				30 years, fr	om va-	July 1. Jan. 1 and
	July 1, 1862, ar	id			134.000	30 years, fr	om 78-	July 1.
1	July 2, 1864.	Sioux City and	Pacific	. 6 per ct.	1,628,320	nious date	8 40,7	08 Jan. I am
	July 2, 1864.	Central Pacific		. 6 per ct		rious date	8 52.3	352 Jan. 16 &
t	July 1, 1862, an		P. assign	00	20,427,000	30 years, fr rious dat	om va- 467,4	98 July 16.
	July 2, 1864.		Pike's Peal	. 6 per ct	. 1,600,000	30 years, fr	om va-	Jan. 1 and July 1.
ı	July 1, 1862, ar	nd •				rious date 30 years, fr	8 40,0	July 1. Jan. 1 and
	July 2, 1864.		c	. 6 per ct.	320,000	rious date	8 8,0	
								- July L

Journal of Railroad Law.

COMMON CARRIER-DELIVERY OF GOODS AT A POINT SHORT OF DESTINATION—ESTABLISHED USAGE—NOTICE TO CONSIGNEE.

The late action of Herman vs. Goodrich (21 Wisc., 536) was an action against the defendant as a carrier by water from Milwaukee to Port Washington in this State, for the value of a keg of liquor delivered to him by plaintiffs at Milwaukee, and for which defendant gave the following receipt: "Milwaukee July 11, 1865, Received of Hermann & Hartman, * * * to be forwarded without delay as directed in the margin.

M. MUELLER, WAUPACCA.

Boat to Port Washington,
One half brl. Whiskey. One keg liquor.

G. Huston, Agent." (Stamp.) (Signed.) The defendant's evidence was to the effect that he was owner of a line of steamers plying between Milwaukee and Port Washington; that the goods above named were received to be carried on one of said boats; that they were sent on the day named in the receipt, and landed, about half past ten that night, at the north pier at Port Washington, and receipted for by one Blake, the owner of the pier, that this pier was the usual place for such vessels to land at that port, the only other pier being used only for lumber vessels; and that Blake, a few days afterward, paid defendant the freight on said goods. Defendant further testified. against objection: "Blake owns the pier at Port Washington to which my boat runs. He has a warehouse on it, and is a general receiver of freight; receives the goods and pays the freight, sometimes before and sometimes after he collects it; that is the end of it; he had no interest in the freight or boat," Plaintiff's evidence tended to show that Mueller, the consignee, on receiving a bill of the goods in question, "inquired five or six times for the missing reg; inquired on Blake's pier at Port Washington; the answer he received was that no such keg ever came there; he (Muel-ler) generally goes to the piers in Port Washington to get his goods coming from Milwaukee by boat; always settles the freight bills with Blake. This is substantially the whole of the testimony. The opinion of the court was delivered by

Dixon, C. J .- There can be no doubt the de fendant was a common carrier of the goods; and the only question is, whether his liability ceased with a delivery to the wharfinger at Port Washington. The receipt may be some evidence to show that the goods were to be carried further; but if they were, and there was public means of trans-portation beyond Port Washington, it was the duty of the defendant to deliver the goods to some carrier from that place. This was the case of Van Santvoord vs St. John, 6 Hill, 157, cited by defendant's counsel, where the goods were delivered to a responsible carrier at the end of the defendant's route. In the absence of proof of an estab-lished usage, delivery to a wharfinger, in such case, would be insufficient. But the proof is, that there was no public means of transportation be-yond Port Washington, and the delivery of the goods by the defendant to the wharfinger at that place shows that he knew there was no such means. Port Washington was therefore the place of destination, and being the place of destination, it is conceded that the defendant's liability as common carrier was not ended by mere delivery of the goods to the wharfinger, but that he was further required to notify the consignee of their arrival, or to make some reasonable effort to do so. The defendant neither notified nor attempted to netify the consignee, and consequently must be held responsible for the loss.

We see no error in the rulings or instructions of the court, and the judgment must be affirmed.

By the Court,—Judgment affirmed.

THE HANSOM CAB COMPANY, OF NEW YORK AND BROOKLYN.

INCORPORATED MAY 6, 1869. Capital, \$250,000, in 5,000 shares of \$50 each, with power to increase.

President, EDWARD W. BRANDON.
Hon, JAMES W. HUSTED, JAMES STUART
EARS, Vice Presidents.

S. P. SLATER, Treasurer, (with Messrs, Duncan, Sherman & Co.)

CHARLES H. PEASE, Secretary.

HENRY HOWARD BRANDON, Superintendent. JEROME BUCK, Attorney and Counsel. Bankers, Messrs. DUNCAN, SHERMAN & CO.

DIRECTORS.

JEROME BUCK, No. 3 Broad st.
J. O. SEYMOUR, No. 89 Liberty st.
EDWARD W. BRANDON, No. 133 Water st.
H. VANDEWATER, City Hall.
THOMAS LANDON, Court of Common Pleas.
JAMES STUART PEARS, No. 103 West 14th

WM. J. KERR, Brandreth House. ALEXANDER WILDER, Evening Post. Hon. JAMES W. HUSTED, Peekskill, 84 Wall

The act to incorporate the above Company having been passed by the Legislature of the State of New York, the undersigned is prepared to receive subscriptions to the capital stock of the company.

Subscription, \$50 per share, of which \$12 50 per share is paid on subscribing, the balance to be paid at the call of the Directors; they agreeing to give due and proper notice to each subscriber, which notice shall in no instance be under 30 days.

The Company intend commencing operations as soon as 2,000 shares, equal to \$100,000 of stock at par, shall have been subscribed for. Respectfully, S. P. SLATER, Treasurer,

(With Messrs. Duncan, Sherman & Co.) By order of the Commissioners,

EDWARD W. BRANDON, JEROME BUCK, HENRY SPEAR.

Subscription books are also opened with EDWARD W. BRANDON & CO., No. 133 Water st.

J. O. SEYMOUR, KENNARD & HAY, No. 89 Liberty st.

EXTRACT FROM CHARTER.

Section 6. The drivers of each vehicle belonging to said Corporation shall be entitled to demand and receive for the hire of such cab the fares here prescribed, as follows:

1. For any distance within and not exceeding one mile, for a single passenger, thirty cents; and

for two persons, forty cents.

 For any distance additional to one mile, for each mile and fractional part of a mile, for a single passenger, thirty cents; and for two persons, forty cents.

3. For any time within and not exceeding one hour, for a single passenger, seventy-five cents; for two persons, one dollar; and for any time additional, for each hour and fractional part of an hour, for a single person, seventy-five cents; and for two passengers, one dollar.

4. In addition to said fares, as here set forth, the said drivers are authorized to demand and receive one-half of the same in addition, when the passenger or passengers are so conveyed by them between the hours of twelve o'clock in the evening and six o'clock in the morning.

SEC. 7. No driver of a cab belonging to said 'deep cut' 1,400 feet long and 42 feet deep. This Corporation, who is stationed at or near a railway cut will not be finished before August, at which

station, steamboat landing, or ferry, shall leave the seat of the cab on the arrival of the cars, steamboats, or ferryboats, nor shall he leave his stand till he shall be engaged by a passenger, or some person authorized by a passenger.

The bove rates of fare cannot be increased; but the Directors, in the interest of the public at large and shareholders, intend reducing the price as soon as practicable to 20 cents per mile for one, and 25 cents for two persons; and 50 cents per hour for one, and 60 cents for two persons; the intention being to give the inhabitants of New York and Brooklyn the benefit of good, commodious and quick traveling, at rates which will place the vehicles within the reach of all.

ESTIMATE OF PROFITS ON FIFTY CARS.	
50 hansoms, at \$700 each\$35,000	
100 horses, at \$250 each	
50 sets of harness, at \$100 each 5,000	

Total\$65,000

	PROFITS.
50 cabs, with working 22	use of two horses per day, hours, at \$7 per day\$127.400
	49,800

Balance for incidental expenses\$28,850 EXPENSES.

Total.....\$49,800

The above estimate for fifty cabs is merely to show what profit can be made; and it is but natural that an increase of the number of vehicles will considerably diminish the working expenses in proportion. The Company purposes to have 2,000 hansoms and cabs running by the end of the present year.

Western Pacific Railroad.

The San Francisco Bulletin says that this road will not only connect the Central Pacific Railroad with the Southern Pacific Railroad, but will also connect the former road with San Francisco. The name, "Western Pacific," will probably soon cease to be recognised. Twenty miles of this road, extending from San Jose to Alameda canon, were completed in 1866. This section was accepted by the government and bonds issued, and public lands were segregated for the same. Although this part of the road has been idle for two years while nothing was done on the other hundred miles, yet there has been no intention of abandoning the idle section, even if it could be done. Workmen are now engaged it in putting in order.

The Alameda Gazette says there is some heavy work yet to be done in the vicinity of Livermore Pass. "One tunnel of 1,162 feet, has been driven at each end for a distance of about 331 feet, leaving about 500 feet more to be cut. The rock is a soft slate, which crumbles when exposed to the air, and requires 'timbering' immediately. There is but one longer tunnel than this on the whole line of the Central Pacific. There is also a 'deep cut' 1,400 feet long and 42 feet deep. This cut will not be finished before August, at which

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time also the tunnel will be completed. The work is being done in the best possible manner, so that the whole, when completed, will be adapted to fast running. We may count, therefore, upon the extension of the Central Pacific Railroad, by way of Livermore Pass, to this city, practically in August next, or, at the latest, in the beginning of Autumn."

The Worcester County (Md.) Railroad Company has been organized by the election of a board of directors, with George S. Richardson, Esq., as President, Thomas D. Pornel! was appointed Secretary and Treasurer.

Queen Anne's Railroad.

The directors of this road, the contractors, and agents of the Deleware Railroad met at Millington on the 3d inst., to make final arrangements for the completion and opening of the road as far as Sudlersville. The branch to Massey's will be ready by the 15th of June, and the Queen Anne's contractor proposes to finish to Sudlersville by the 25th of July, if the directors will furnish the cash.

HERMANN BOKER & CO.

50 CLIFF STREET,

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NEW YORK.

MANUFACTURERS' AGENTS AND IMPORTERS OF

PUDDLED STEEL. AND

IRON RAILS, FROM THE

Funcke & Elbers Steel and Iron Works.

TYRES, AXLES, Springs, &c.

WHIPPLE'S PATENT CAR SEAT.

The undersigned respectfully notify managers of railroads and others, that they will promptly prosecute all infringements of the above patent.

Having been informed that one Carr has been manufacturing this seat, and that he is offering it for sale to railroad companies, we hereby notify them that said Carr has no authority from us to manufacture or sell these seats, and all purchasers from him or any person, not an authorized agent of this Company will be prosecuted to the full extent of the law.

WHIPPLE MANUFACTURING CO. Per E. Trowbridge, Treas.

DETROIT, May 23d, 1869.

SCOTCH PIG IRON. ALL THE APPROVED BRANDS OF

NO. 1 SCOTCH PIG IRON. In Yard, on Dock and to Arrive,

In Lots to Suit Purchasers. Apply to HENDERSON BROTHERS,

6 Bowling Green. New York.

EAST RIVER SCREW BOLT WORKS. RYLANCE & CASKELL, Manufacturers of Screw Bolts, No. 433 EAST 25th ST. N. Y.

fait & specifi 40 state ata \$1

Sale of Rolling Stock by the United States.

SEALED PROPOSALS will be received by the undersigned, at the office of Messrs. Bristow & Wharton, No. 154 Fourth street, Louisville, Ky., until 12 o'clock, noon, June 20th, 1869, for two Locomotive Engines, nine Box and one Stock Car.

DESCRIPTION OF THE PROPERTY.

No. of Engine.	Builder,	Diam. of Cylinder.	Length of Stroke.	Diam. of Driv. W'l.		Length of Fines.		iam, of Flues.	Dim's Fire		Box.	lotion.	eight.	Gauge.	When
_								a	Lei	Bre	Del	A	=	9	The same
*		Inch	Inch	Ft.	In.	Ft.	In.	Inch.	Inch	Inch.	Inch	PALE	Ton.	Feet.	15
	Moore & Richardson M. W. Baldwin & Co	16 16	22 24	4 5	9	11 10	00 11	2 2	58 60	36 34½		Link.	26 30	5 5	1859 1864

The Engines and Cars are in running order, but need repairs. The above property is now on the New Orleans and Ohio Railroad, and can be seen and examined by application to the Officers of that Road, at Paducah, Ky. Proposals may be in detail, or in the aggregate. The United States reserves the right to reject any or all propositions. Terms Cash.

J. B. VAN DYNE, Receiver for U. S.

THE JERSEY CITY LOCOMOTIVE WORKS CO

—in order to close their concern—offer for sale all the Machinery, Tools and Engineering Plant, situated at their Works, corner of Morgan and Steuben Streets, Jersey

City.

ESTABLISHED 1821.

RAILROAD

PHOLSTERY

The machinery was procured from the best Manufacturers and is in perfect order. A descriptive Catalogue, with price list, will be forwarded upon application to the Company's Agent,

WM. S. AUCHINCLOSS,

LORGOV City, N. J.

Jersey City, N. J.

WOOD, LIGHT & CO.,

MANUFACTURERS OF

ENGINE LATHES.

From 15 to 100 in. Swing, and from 6 to 30 feet long, PLANERS,

To Plane from 4 to 30 feet long, and from 24 to 60 in. wide Nasmyths' Steam Hammers, Gun Machinery, Mill Work, Shafting and Hangers, Patent
Self-Oiling Box.

rehouse:
107 Liberty Street,
New York City.

Morrester, Mass.

Warehouse: 107 Liberty Street, New York City.

THE OFFICE OF

THE MEMPHIS, EL PASO AND PACIFIC RAILROAD COMPANY

IS PROVISIONALLY LOCATED AT 5121

22 BROAD STREET.

To Contractors.

A THE MANAGEMENT MANAGEMENT OF THE MANAGEMENT OF THE OWNER OWN

SEALED PROPOSALS will be received by the underSigned until THURSDAY, July 1st, at the office of the
Signed until THURSDAY, July 1st, at the office of the
ELIZABETH AND PADUCAH RALIROAD COMPANY, in Elizabeth, Hardin county, Kentucky, for the
GRADUATION, TRESTLING, BRIDGE and CULVERT MASONRY, including 5,000 cubic yards of Bridge
Masonry at Green river, on 40 miles of said railroad, between the 52d section and the town of Greenville, in Muhlenburg county. The work can be reached by steamboat to
from the Ohio river, to South Carrollton and Rockport, on
the work can be seen at the Company's office in Elizabethtown on and after June 15th.

GEORGE MACLEOD,
Chief Engineer.

Elizabethtown, Ky., May 29, 1869.

Car Manufacturing Co.,

HARRISBURG, PENNSYLVANIA,

MANUFACTURE

Elizabethtown, Ky., May 29, 1869.

Robert Merrill & Sons.

Ship's Compasses, RAILROAD CAR WHEELS AND CASTINGS,

BINNACLES, LOGS, &c.: Surveyor's & Engineer's Instruments, MARINE, OPERA & FIELD GLASSES, Sextants, Quadrants and Spy Glasses,

141 Water-St., N. Y.

GOODS.

Plushes, Reps, Damasks, Curled Hair, Car-Seat Duck, CAR-SEAT SPRINGS, AND ALL UPHOLSTERERS' SUPPLIES.

HEAD LININGS MADE TO ORDER.

A. S. THORP & Co.. 163 William street, New York.

WILLIAMS, PAGE & CO.'S PASSENGER CAR LAMPS

FOR KEROSENE OR COAL OILS. Centre Lamps for High Roof Cars. SIDE LAMPS AND SALOON LAMPS. C

THESE Lamps, now in use on a large number of Railroads are very neat and ornamental, and being enclosed in a Brass Case which is firmly secured to the car, entirely avoid the dripping of oil on Passengers and Car Cushions.

The Light is very strong and brilliant, lighting up the Cars so as to give them that bright and cheerful appearance so much desired by roads for the pleasure and comfort of their Passengers. These Lamps are strong and durable, and are as easily taken care of as any in use. A full sized drawing sent when requested.

The Saloon and Water Closet Lamp is the same form as the Side Lamp, but about half the size.

Manufactured and for sale by

MANUFACTURE

Passenger, Mail, Baggage, Box, Gondola, Coal, and all other kinds of

RAILROAD CARS.

BRIDGE AND ROLLING MILL CAST-INGS, BRIDGE RODS, BOLTS,

RAILROAD FORGINGS.

W. T. HILDRUP, Superintendent. WILLIAM CALDER, President.

GRICE & LONG LOCOMOTIVE CAR BUILDERS.



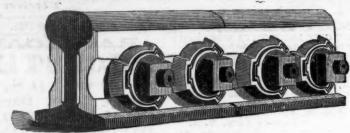
MINING LOCOMOTIVES, FURNACE LOCOMOTIVES, CONTRACTORS' LOCOMOTIVES, QUARRY LOCOMOTIVES,

SHIFTING LOCOMOTIVES, Adapted to Tunnels, having 5½ feet headway, and 30 inches gauge of road, and upward. The mining engines are now being worked at Summit Hill mines at a cost of \$4 per day.

CARS OF ALL DESCRIPTIONS.

Office & Works, 1340 Beach St., Philadelphia,

PRATT'S COMPENSATING FISH-JOINT,



VERREE & MITCHELL, IRON AND STEEL MANUFACTURERS, No. 939 North Delaware Avenue, Philadelphia, Penn.

COMBINES MORE ADVANTAGES THAN ANY FISH-JOINT HERETOFORE INTRODUCED.

This Joint is made of two heavy bars of wrought iron, or east steel, sixteen inches in length, or any other desired length, fitted to the side of the rail and secured by four three-quarter inch bolts, with four malleable cast-iron cups and washers, and a gum ring two inches in diameter and half an inch thick, in each cup.

The value of gum to absorb jarring motion is well known; but when the pressure is as great as that required to secure the ends of railroad rails, some de-vice, or method by which to prevent the gum from being forced out from under the washer, when subjected to increased pressure, is indispensable. The PATENT COMPENSATING FISH-JOINT secures that effect and enables Railroad Managers to apply all the force and pressure desired.

Where this Joint is securely fastened by screwing the nut upon the washer and gum in the cups with a lever three feet in length, it makes a perfectly tight joint, and thus secures what Railroad Managers have long desired—a continuous rail, with sufficient elasticity in the gum to relieve from and compensate for the sudden jar and at the same time allow for expansion and contraction by heat or cold.

We confidently claim for the PATENT COMPENSATING FISH-JOINT:

That it makes the best and cheapest form of fastening, requiring no plate or chair underneath the foot of the rail,

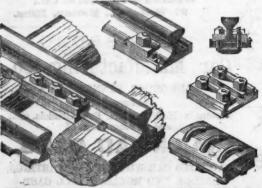
That it is safe and secure, and prevents the numerous accidents resulting from loose or broken rails.

That this Joint absorbs the vibratory shock given by the wheels in passing over the ends of rails, and thereby preventing fracture; and we have yet to hear of the first rail having been broken with our Joint on it.

That it can be applied in repairing and relaying with the least trouble and delay.

That the materials are indestructible, and make A PERFECT AND CONTINUOUS RAIL, thus securing what has long been desired, and what all previous experiments have failed to attain.

The Manufacturers can supply these Joints, complete in all their parts, ready to be fastened to the rails with dispatch. Refer to all the Leading Railroads in the Country.



FISHER'S PATENT Wrought Iron

MADE BY

FISHER & NORRIS,

TRENTON, N. J.

The Superiority of these Joints has been proved by eight years' use on different Roads.

A FOREIGN YOUNG MAN, HAVING A THOR-OUGH knowledge of Civil and Mechanical Engineer-ing, acquired in France, Germany and Holland, desires an appointment. Salary no object. Apply to A. R., Room 46, No. 176 Bleecker st., New York.

Jonathan T. Hobby,
MATHEMATICAL Instrument Maker, Greenwich
Street, Hempstead, Long Island, N. Y.

RAILROAD TIES.

CONTRACTS SOLICITED, FOR OAK, CHEST-NUT, CYPRESS, AND CEDAR, in quantities, as may be required. Apply to

THOMAS G. BENTON & SONS, 92 West Street, New York.

PACIFIC MAIL Steamship Company's THROUGH LINE TO California and China.

Through rates, New York to San Francisco: First Cabın.
Outside. Inside. Second Cabin.

8275 \$225 \$150 \$75. CHANGE OF SAILING DAYS.

Steamers of the above line leave Pier No. 42 North River, foot of Canal street, at 12 o'clock noon,

On 1st, 11th and 21st,

except when those days fall on Sunday, then the day

previous.

One hundred pounds baggage free to each adult. Medicine and attendance free. June 11, ALASKA, CAPT. GRAY, connecting with GOLDEN CITY, CAPT. LAPIDGE.

Steamer leaving June 11, connects closely with steamer GREAT REPUBLIC, leaving San Francisco July 3, for

China and Japan.

NOTICE TO SHIPPERS—Freight for steamer ALASKA received until 4 P. M. on THURSDAY, June 10. All usual facilities afforded shippers in collecting inland charges, &c.

For freight or passage tickets and all further information apply at the Company's ticket office on the wharf, foot of Canal street.

F. R. BABY, Agent. China and Japan.

A. WHITNEY & SONS CAR WHEEL WORKS.

Callowhill and Sixte nth Sts.

PHILADELPHIA, PENN.,

FURNISH CHILLED WHEELS for Cars, Trucks, and

Tenders. CHILLED DRIVING WHEELS and

TIRES for Locomotives. ROLLED and HAMMERED

WHEELS and AXLES FITTED COMPLETE.

BIGELOW & JOHNSTON. BROKERS.

New and Old Rails, Fish Bars, Bolts and Nuts, Chairs and Spikes, Car Wheels and Axles, Steel and Iron Tyre Pig, Bar and Scrap Iron, Etc., Etc.

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EDWARD P. BIGELOW, JAMMS JOHNSTON. NEW YORK.

"Important to Railroad Companies."

SAFETY, EFFICIENCY, DURABILITY, ECO ECONOMY;

All Combined in the Safety Truck, for Locomotive Engines; Tested by ten years' use; Perfected by the best Engineering Skill in this Country and in England; Secured by Six Letters Patent; Adopted by Sixy-four Railroads; Between Five and Six Hundred in Operation in the United States; Extentensively introduced in Nine Foreign Countries; Approved by Leading Locomotive Builders, Master Mechanics and Locomotive Engineers; Should be Universally Adopted. Mechanics and Locomotive Engineers; Should be Universally Adopted.
Address "THE LOCOMOTIVE ENGINE SAFETY
TRUCK CO," 46 Cortlandt St., New York.

A. F. SMITH, President.
ALBERT BRIDGES, Treas. & Agent.

ODDIE & CO., Stock, Bond & Gold Brokers,

5 and 7 Jauncey Court, 43 Wall street, NEW YORK.

ORVILLE ODDIE, JOHN W. ODDIE. (Late Oddie, St, George & Co.)

Holden, Hopkins & Stokes, 104 & 106 JOHN ST., NEW YORK, Importers and Dealers in

IRON AND STEEL,

Also Agents for

Oxford Iron Company, Oxford, CUT NAILS AND SPIKES, AND RAILROAD SPIKES. Agents "New Haven Car Company."

HAMILTON SQUARE

RUBBER WORKS.

C. V. MEAD & Co., Manufacturers of Superior Quality

INDIA RUBBER SPRINGS,

BRAKE TUBING, ETC. P. O. Address Box 588, TRENTON, N. J.

TESTIMONIAL

We have used, on the Baltimore and Ohio Raliroad, during the past year, about 13,000 lbs. of India Rubber Car Springs, manufactured by the Hamilton Square Ruber Works, Trenton, N.J., (C. V. Mead & Co.,) and have found them equal to, if not superior to any we have used in past time, and on much more reasonable terms.

JOHN OLIVER,
Purchasing Agent Baltimore and Ohio Raliroad.

CAUTION.—The above firm are not connected with any other Manufacturers using the name of Mr. Mead. Mead's Springs are stamped Hamilton Square Rubber Works, Trenton N. J.

C. V. MEAD.

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B. L. HUTCHINSON.

B. S. MANNING.

G. W. NOBTON.

VOSE, DINSMORE & CO.,

National Spring Works,

Manufacturers of

Volute, Rubber Center Spiral,

Compound Spiral, India Rubber,

RAILWAY CAR SPRINGS

No. 1 Barclay-st., No. 15 La Salle-st., NEW-YORK, CHICAGO.

HEBBARD CAR SPRING CO.,

Patent Right and Left Spiral STEEL CAR SPRINGS.



B. WASHBURN, Gen. Agent. 137-141 ELM STREET, N. Y.

Scott's Wrought Iron Clamp Truss Joint FOR RAILBOAD RAILS.

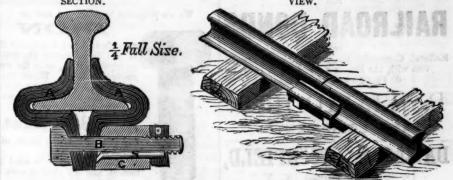
LENGTH 9 TO 12 INCHES, WEIGHT 20 TO 30 LBS.

THICKNESS % OF AN INCH. COST FROM \$1.30 TO \$1.50.

Has been tested to 24,000 lbs., between 24 inch bearings, (a 40 ton engine will not test it more than 10,000 lbs.) it is a TRUSS, supporting fully the ends of rails while suspended itself. This principle gives it a power that no chair has. Forty per cent. of rails now destroyed, will be saved by its use.

It is SIMPLE, can be put on broken or sound rails at once; will not stir from its position, and requires no renewal.

SECTION VIEW.



VIEW AND SECTION show position in place. A.—Is CLAMP-TRUSS. B.—Are two ¾ inch Bolts. C.—An Iron Collar, (a prepared wood block can be used in its place if parties prefer it.) D.—Is the Nut. S.—The LOCK of the NUT, which prevents its jarring loose.

The patentee is prepared to fill orders sufficient for four miles of track per day.

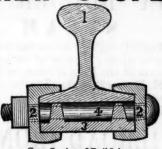
Provision has been made to prevent sliding of the rails.

JOHN H. OSBORNE, Morrisville, Bucks Co., Penn. And BENJ. SCOTT, New Brighton, Pa.

THE PHŒNIX IRON COMPANY'S

PATENT

SUSPENSION



Cross Section of Rail Joint.



Side Clamps 14 in. long, showing Rail Stop.



Bottom Ribbed Plate, 14 in. in length.

Cross Section of Rail Joint.

Bottom Ribbed Plate, 14 in. in length.

The above diagrams show the general design of this new Suspension Rail Joint, which, after long and successful trial on the Philadelphia, Wilmington and Baltimore, and other Railways, is now offered to Railway Companies. The cut on the left gives a cross section of the finished joint, showing the rail (1) resting upon the ribs of the bottom plate (3), with the flanges of the rail and the bottom plate embraced by the side clamps (3), and held firmly in place by bolts (4.) in screwing up these bolts, the bite or grip between the bevel on the side clamps corresponding with the bevel on the flanges of the rail, insures great vertical and lateral rigidity to the joint.

Several careful tests have proved that the deflection of two pieces of rail thus fastened at their joints and subjected to a transverse strain between supports five feet two inches apart, was but a trifle more than that of the same rail uncut, tested in the same way. The value of the joint in this respect was 85 per cent. of that of the solid rail, while the best fish joints, similarly tried, gave less than 50 per cent.

No holes are required to be punched through the neck of the rail, nor slots in the flanges, only a quarter circle notch of about half an inch radius is necessary to be cut out of the corner of one of the flanges of the rail to fit the "stop" shown in the upper right hand cut. This is a very important consideration, as holes punched or drilled in the neck are apt to split the rail longitudinally, and in Steel Rails particularly, is the principal cause of breakage.

All that portion of the joint, shown in the cut of cross section, below the bottom of the rail, bears endwise against the cross-ties, and prevents any creeping of the track. It makes a very firm joint, does not get out of order, and can be fitted to any size of rail. When ordering, send a sample piece of rail two feet longs. Address,

PHŒNIX IRON COMPANY, Philadelphia, Pa.

CAR PLUSHES.

Best French and German makes LOUIS WINDMULLER & ROELKER. 20 Reade street.

GERMAN STEEL AND HARDWARE.

For sale by LOUIS WINDMULLER & ROELKER,

20 Reade street RICHARD B. OSBORNE, CIVIL ENGINEER,

No. 431 Walnut street, Philadelphia.

RAILROAD TIES.

WHITE OAK, CHESTRUT AND CEDAR.
Pig, Bar and Railroad Iron.
Coal Buckets, Blocks, Dumping Cars, Wheelbarrows,
&c.
HOLLINS, KIRKUP & CO.,
6m48
24 Dey street, N. Y.

Hemp Packing.

BEST HACKLED HEMP PACKING.

For Sale by WILLIAMS, PAGE & CO., 91 Water St., Boston,

S. W. HOPKINS & CO.,

58 OLD BROAD ST., LONDON,

AND

69 & 71 BROADWAY, N. Y.,

NEGOTIATE, IN EUROPE & AMERICA, every description of

TOWN, COUNTY, CITY, STATE. AND

Railroad Companies and Contractors, in connec-tion with the Purchase and Sale of both Foreign and American

RAILROAD IRON

AND EQUIPMENTS.

DANAS & LITCHFIELD

18 William Street, N. Y., MANUFACTURERS' AGENTS FOR THE SALE OF AMERICAN AND FOREIGN

ILROAD

Of every Size, Weight' and Pattern,

For Steam and Street Roads.

ROLLING STOCK & SUPPLIES. Old Rail: Re-Rolled & Exchanged for New.

Old Railroad and Scrap Iron.

CONSIGNMENTS SOLICITED.

Steel and Iron Rails

American, English & German, FROM WORKS, YARD O

EUROPEAN SHIPPING PORT, For sale by

HEYERDAHL, SCHONBERG & CO., Successors to Heyerdahl, Kettell & Co., 22 William st., New York.

JOSEPH M. STRONG.

Successor to McCall & Strong, 64 Beaver St., TAKES ORDERS FOR

IRON AND STEEL RAILS,

And Negotiates MORTGAGE BONDS therefor. IMPORTS ON ORDER.

Pig Lead, Tin, Iron & Zinc,

And opens Bankers' Credits when needed.

NAYLOR & CO.

CAST STEEL RAILS. CAST STEEL TYRES.

Cast Steel Frogs, and all other Steel Material for Main way Use.

House in London:

NAYLOR, BENZON & CO., 34 Old Broad Street

who give special attention to orders for

RAILROAD IRON,

as well as Old Balls, Scrap Iroz ad Metals.

Schweitzer Patent Bolt Comp'y, Works at Green Point, L. I.,

Near Greenpoint Ferry, from 10th St. & 23d St., N. Y.

NEW-YORK.

H. S. TERBELL, President;
39 Walker Street, New-York

THOS, S. YOUNG, Treafurer, 120 Chambers St., New York.

We are prepared to make and deliver

BOLTS, IRON

manufactured by Automatic Machinery in such manner as to increase the strength of the Iron beneath the head by compression, and totally avoid the weakening by crystalization, as in the case of Bolts made by hand or by any slow and protracted process. These Bolts are uniform in size and shape, and superior in strength and finish to any others made.

Standard Bolts will be made of the best quality of iron, and warranted.

The attention of

Railroad Companies, Bridge, Car & Locomotive Builders,

and others requiring Bolts of the greatest strength and uniformity, is specially

Contracts for Bolts used in the construction of Railroads and their appurtenances, and all similar work REQUIRING LARGE QUANTITIES, will be taken

The rapidly of production will enable the Company to fill orders of any magnitude at short notice. The Company also offer for sale

BOLT CUTTERS

of their own patent, which, with a given amount of power and labor, will cut twice the number of Bolts of any other machine in use.

RUBBER MEAD

12 Vesey Street, New York.

MANUFACTURERS OF

Our Works being now under the management of a competent Superintendent, we are prepared to offer Springs of various qualities and prices to suit. Our A No. 1 Spring made of fine Para Rubber, and the Compound used by the Patentee, the late Fowler M. Ray, will be found to be cheaper than others made, from inferior stock and offered at lower prices.

Sample setts forwarded on application. All Springs fully warranted.

RAILROAD IRON.

ENGLISH and AMERICAN Railroad Iron for de livery in New York and other markets in the United States and England. For sale by

S. W. HOPKINS & CO., 69 & 71 Broadway, New York

PIERSONS & CO.,

OF EVERY DESCRIPTION.

A full assortment constantly in Stock.

Warehouse, 24 Broadway, 77 and 79 New street, New York.

WILLIAM H. PETIT

MANUFACTURERS' AGENT FOR THE SALE STEEL RAILS,

Railroad Iron,

OLD AND NEW.

Pig, Scrap Iron, Old Car Wheels, AND OTHER METALS.

Locomotives & R. R. Supplies. Old Rails Re-Rolled and Exchanged for New,

72 WALL STREET, N.Y.

Daniel W. Richards & Co.,

90 & 92 Mangin St., N. Y., DEALERS IN

Scrap Iron & Old Metals Scotch & American

IRON,

Wrought and Cast Scrap Iron. OLD RAILROAD IRON,

Car Wheels, Axles, Spring & Scrap Stand Copper, Brass & Lead.

RAILROAD IRON.

THE undersigned, agents for the manufacturers are prepared to make CONTRACTS FOR RAILS delivered free on board at ports in England, or exchip all ports in the United States.

M. K. JESUP & COMP'Y, 12 Pine St., New York.

RAILROAD IRON.

THE undersigned, agents for the manufacturers, are pre-pared to contract to deliver best quality A merican or Welsh Rails, and of any required weight and pattern

PERKINS, LIVINGSTON & POST, 68 Broady NEW YORK.

VAN ANDEN SWAGED



Patented Sept., 18, 1866:

WROUGHT IRON

The VAN ANDEN CHAIR recommends itself above all others now in use, having continuous base and lips, the grain of the Iron running across the line of the Rail, giving it additional strength over all others now in use, with no liability to split. The spike holes being punched within the edge of the lip, admits of one half the Spike being recessed back in the solid metal, which cannot be done in the rolled chair.

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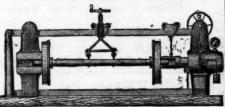
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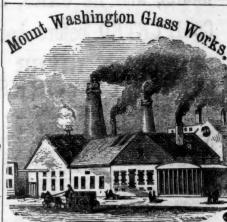
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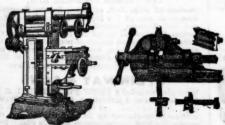
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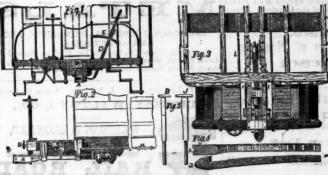
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